

## **Historic, Archive Document**

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# Langers

SEED & FLORAL CO.

## ROSE BARGAIN

1 of each of these beautiful Roses—strong 2 year old plants. The 6 for \$3.25 postpaid.

Golden Emblem	\$0.75
Hoosier Beauty	.75
K. A. Victoria	.50
Los Angeles	.75
Radiance	.50
Sunburst	.75

Total value ...\$4.00  
All postpaid for \$3.25

RECEIVED  
★ FEB 15 1932 ★  
U. S. Department of Agriculture



Hoosier Beauty



Golden Emblem



Los Angeles



Sunburst



Radiance



K. A. Victoria

TUCSON ARIZ.

## SWEET PEA NOVELTIES FOR 1932

### Langers' New Late Flowering DUPLEX Spencer Sweet Peas

Duplex is a new type of Sweet Pea, having the appearance of a double Sweet Pea. The flowers produce two, three and four standards and also several wings. The first impression is the great size of the flowers and on closer inspection the doubleness appears, yet with dainty frilliness.

**Winnie Morse (Duplex)**—One of the largest and most beautiful Sweet Peas ever introduced. The flowers are Duplexed and delightfully frilled, giving the blossoms a fine, light wavy effect in spite of their large size. The color is cream ground, lightly flushed soft rose pink. Pkt. 25c.

**Kitty Pierce (Duplex)**—A delightful new shade in Sweet Peas, being a soft, light lilac suffused with blush pink. The blossoms are very large on stout stems and the petals are beautifully frilled and wavy. Pkt. 25c.

#### LANGERS' NEW EARLY or WINTER FLOWERING DUPLEX SWEET PEAS

**Early Duplex Pioneer**—A welcome addition to the popular Early or Winter flowering varieties. The color is rose pink on cream ground. The flowers look double and really are double, since there will often be three or four standards and sometimes the wings are also double. Pkt. 35c.

See other novelties on pages 3 and 4.

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## PEAT MOSS

AN IDEAL CONDITIONER FOR OUR ARIZONA SOILS

#### WHAT IS PECO?

PECO is Nature's own Soil Improver—it is partly decayed vegetable matter, very high in humus or organic matter.

PECO holds 15-20 times its weight of water—like a sponge, and bear in mind that plant growth is governed by the amount of water available at all times.

PECO is a most efficient soil conditioner. It builds up worn-out and poor, barren soils. It aids in making plant food in the soil more readily available. Roots must have air and a consistent supply of water and PECO permits circulation of both.

PECO is good for sandy soil, because it holds the moisture and keeps the richness of the soil from washing away.

PECO is good for clay soils, because it allows aeration and drainage in the soil, and aids in better development of the roots.

PECO is odorless and free of all weed seeds, dirt and other foreign matter.

PECO will enable you to get more value out of expensive chemical fertilizers, because it does not allow them to drain off, but absorbs and retains the various elements until the roots can take them up.

#### HOW TO USE PECO:

For new flower beds and new lawns, dig in four to six inches of PECO to the full depth of the spade. This is of the utmost importance for new lawns, since they should flourish for many years. Use as much PECO as you can, mix it thoroughly into the soil, for it will act as a reservoir to consistently supply the roots of the grass with moisture, particularly during hot, dry spells.

On established lawns a light mulch or top dressing of about  $\frac{1}{4}$  inch every three or four weeks during the hot summer months will aid considerably in eliminating dry brown spots.

On your flower beds, spread PECO one inch deep—this will prevent hard crusts from forming, keep out about 90% of the weeds, and prevent rapid evaporation of moisture from the soil, thus making gardening easier.

Potted plants and window boxes in the home will be greatly benefited by the addition of about 1-3 PECO in the soil, which will give a more uniform supply of water; furthermore a layer of about one inch on top of the soil will prevent rapid evaporation of the moisture in the soil when the pots are in hot, dry rooms.

Garden size carton of two bushels \$2.00, express collect. Write for prices in bale lots.

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## OUR GUARANTEE

While we use every care to see that seeds are pure, and reliable, it is impractical to guarantee them under all circumstances. There are too many contingencies that may arise over which we have no control, such as not planting at proper depth, the soil not in proper condition at the time of planting, too wet or too dry, insects or birds destroying the plants as soon or before they appear, temperature not conducive to germination, and so on. Therefore, while we exercise every care to have our seeds true to name, to have them of the highest percentage of germination, of strong vitality and fertility, we give no warranty, express or implied, as to description, quality, productiveness, or any other matter of seeds, bulbs, plants, or trees we send out, and we will not be in any way responsible for the crops grown therefrom. If the purchaser does not accept the goods on these terms they are at once to be returned and the money that has been paid for them will be refunded.



# What to Plant During Each Month

*Handy Information that Will Insure Pleasure and Profit From Your Seed and Plantings*

## JANUARY

**Vegetables.** Beets, Swiss Chard, Carrots, Collards, Kale, Kohlrabi, Lettuce, Mustard, Onions, (seed or sets), Parsnips, Parsley, Peas, Radishes, Spinach, Turnips.

**In the Hotbed.** Cauliflower, Cabbage, Brussels Sprouts, Tomatoes Peppers, Egg Plant.

**Trees and Plants.** All deciduous fruit and ornamental trees, rose bushes, berry plants.

**Bulbs.** Anemone, Amaryllis, Cannna, Calla Lily, Gladiolus, Spanish Iris, Lily-of-the-Valley, Tuberoles, Hyacinths Tulips, Daffodils, Jonquils, Crocus, Oxalis, Chinese Lily, Freesia, Ranunculus.

**Flower Seeds.** Gaillardia, Larkspur, Petunia, Sweet Alyssum, Stocks, Calendula, Poppies, Sweet Peas, Bachelor's Button, Snapdragon, Phlox, Globe Amaranth.

## FEBRUARY

**Vegetables.** Artichokes (seed), Asparagus (seed or roots), Beets, Swiss Chard, Cabbage and Cauliflower (plants), Carrots, Corn Salad, Collards, Kale, Lettuce, Mustard, Onions (seed or sets), Parsnips, Parsley, Peas, Potatoes.

**In the Hotbed.** Cauliflower, Cabbage, Tomatoes, Peppers, Sweet Potatoes, Radishes, Spinach, Turnips.

**Trees and Plants.** All deciduous fruit and ornamental trees, rose bushes, berry plants, hardy evergreens.

**Flower Seeds.** Aster, African Daisy, Cosmos, Balsam, Cockscomb, Evening Primrose, Four-o'clock, Forget-me-not, Helichrysum, Kochia, Lobelia, Lupine, Morning-Glory, other vine seeds, Marigold, Nasturtium, Sweet Alyssum, Petunia, Portulaca, Shasta Daisy, Stocks, Calendula, Poppies, Sweet Peas, Bachelor's Button, Snapdragon, Phlox, Globe Amaranth, Linum, Calliopsis.

**Bulbs.** Anemone, Amaryllis, Caladium, Cannna, Calla Lily, Gladiolus, Maderia Vine, Tuberose, Chinese Lily.

## MARCH

**Vegetables.** Artichoke (seed or plants), Asparagus (seed or roots), Beets, Brussels Sprouts, Beans (flat-podded varieties latter part of month) Cabbage and Cauliflower (plants), Carrots, Corn Salad, Collards, Kale, Kohlrabi, Lettuce, Leek, Mustard, Okra, Onions (seed or sets), Radishes, Salsify, Spinach, Turnips, Muskmelon, Watermelon, Summer Squash.

**In the Hotbed.** Cabbage, Cauliflower, Tomatoes, Peppers, Egg Plant, Sweet Potatoes.

**Trees and Plants.** All varieties of deciduous fruit and ornamental trees, rose bushes, evergreen trees and shrubs, berry plants, olives.

**Flower Seeds.** Aster, all vine seeds, Balsam, Cockscomb, Cosmos, Four-o'clock, Helichrysum, Kochia, Larkspur, Marigold, Nasturtium, Petunia, Portulaca, Sweet Alyssum, Verbena, Zinnia, Linum, Calliopsis.

**Bulbs.** Dahlia, Gladiolus, Madeira Vine, Tuberose, Cannna, Caladium.

## APRIL

**Vegetables.** Artichokes (seed or plants), Asparagus (seed or roots), Beets, Beans, Sweet Corn, Cabbage (plants), Cauliflower (plants), Corn Salad, Collards, Carrots, Cucumbers, Kale, Kohlrabi, Leek, Lettuce, Muskmelons, Watermelons, Mustard, Onions (seeds or sets for green onions), Okra, Parsnips, Parsley, Peas, Radishes, Spinach, Sweet Potatoes (plants), Tomatoes (plants), Turnips.

**In the Hotbed.** Peppers, Eggplants, Tomatoes.

**Trees and Plants.** Tender evergreen trees and shrubs.

**Flower Seeds.** Aster, Balsam, Calliopsis, Cockscomb, Centaurea, Cosmos, Dahlia Seed, Gypsophila, Hollyhocks, Kochia, Larkspur, Marigolds, Mignonette, Nasturtium, Petunia, Portulaca, Scabiosa, Sunflower, Stocks, Salvia, Verbena, Vine seeds, Wallflower, Zinnia.

**Bulbs.** Dahlia, Gladiolus, Tuberose.

## MAY

**Vegetables.** Asparagus, Beans of all kinds, Sweet Corn, Celery, Carrots, Cucumbers, Lettuce, Muskmelons, Watermelons, Onion (seeds or sets for green onions), Okra, Parsley, Peas, Pumpkins, Radishes, Squashes, Turnips.

**Set Out.** Eggplants, Peppers, Tomatoes, Sweet Potatoes.

**Flower Seeds.** Cosmos, Centaurea, Cockscomb, Kochia, Larkspur, Morning-Glory, Nasturtium, Portulaca, Scabiosa, Sunflower, Stocks, Salpiglossis, Salvia, Verbena, all vine seeds, Wallflower, Zinnia.

## JUNE

**Vegetables.** Beets, Beans, Sweet Corn, Celery, Carrots, Cucumbers, Eggplants (seed or plants), Lettuce, Muskmelons, Watermelons, Cassabas, Onion Sets, Parsley, Parsnips, Peppers (seed or plants), Pumpkins, Radishes, Squashes, Tomatoes (seed or plants), Turnips.

**Flower Seeds.** Cosmos, Centaurea, Kochia, Larkspur, Marigold, Morning Glory and all vine seeds, Nasturtium, Portulaca, Christmas Flowering Sweet Peas, Salpiglossis, Scabiosa, Sunflower, Salvia, Stocks, Zinnia.

## JULY

**Vegetables.** Beets, Beans, Corn, Carrots, Celery, Cucumbers, Lettuce,

Muskmelons, Cassabas, Watermelons, Onion Sets, Pumpkins, Radishes, Squashes, Turnips.

**Flower Seed.** Same as for May and June.

## AUGUST

**Vegetables.** Beets, Beans, Sweet Corn, Cabbage (seed for winter cabbage), Carrots, Celery Plants, Lettuce, Radishes, Spinach, Bush Squash, Turnips.

**Flower Seeds.** Candytuft, Centaurea, Cosmos, Larkspur, Marigold, Phlox, Christmas Flowering Sweet Peas, Scabiosa, Sunflower, Stocks, Sweet Alyssum, Zinnia.

## SEPTEMBER

**Vegetables.** Beets, Early Beans, Cabbage and Cauliflower (seed and plants), Celery Plants, Carrots, Lettuce, Mustard, Onions (seed for dry onions), Onion Sets, Early Peas, Radishes, Spinach, Turnips, Brussels Sprouts, Kale.

**Flower Seeds.** Ageratum, Mignonette, Freesia Bulbs, Cosmos, Phlox, Nasturtium, Pansy, Sweet Alyssum, Hollyhock, Zinnia, Christmas Flowering Sweet Peas, Candytuft, Stocks, Carnations, Verbena, Shasta Daisies, Violets, Petunias.

## OCTOBER

**Vegetables.** Beets, Cabbage and Cauliflower Plants, Carrots, Celery Plants, Kale, Kohlrabi, Leek, Lettuce, Mustard, Onions (seed for dry onions) Onion Sets, Radishes, Turnips.

**Flower Seeds.** African Daisy, Calendula, Candytuft, Carnation, Centaurea, Clarkia, Coreopsis, Cosmos, Daisy, Globe Amaranth, Gaillardia, Hollyhock, Larkspur, Mignonette, Nicotina, Nigella, Pansy, Petunia, Phlox, Poppy, Sweet Alyssum, Scabiosa, Stock, Spencer Sweet Peas, Verbena.

**Bulbs.** Hyacinth, Tulip, Daffodil, Paper White, Chinese Lily, Freesia, Spanish Iris, Calla Lily, Amaryllis, Anemone, Crocus, Oxalis, Ranunculus.

## NOVEMBER AND DECEMBER

**Vegetables.** Beets, Carrots, Lettuce, Onion Seed, Onion Sets, Parsley, Parsnips, Peas, Radishes, Spinach, Turnips, Cabbage Plants, Cauliflower Plants, Strawberry Plants, Lawn Grass.

**Flower Seeds.** African Daisy, Calendula, Candytuft, Carnation, Centaurea, Coreopsis, Daisy, Globe Amaranth, Gaillardia, Hollyhock, Larkspur, Mignonette, Nicotina, Nigella, Pansy, Petunia, Phlox, Poppy, Scabiosa, Stock, Spencer Sweet Peas.

**Bulbs.** Hyacinth, Tulip, Daffodil, Paper White, Chinese Lily, Freesia, Spanish Iris, Calla Lily, Amaryllis, Anemone, Crocus, Oxalis, Ranunculus.

Note—Rose bushes and all other nursery stock established in containers may be successfully planted any month in the year, including the hottest summer months. Additional planting information will be found on page 18.

# FLORAL DEPARTMENT

This department of our business is one in which we take pride, and is one of the outstanding features of our business. We successfully ship flowers to all parts of the Southwest and through our connection with 3500 bonded florists throughout the United States we can have flowers delivered to any town in the United States on a few hours notice. If you are not familiar with this service write us for details.

Limited space permits us to give prices on only a few of the designs and bouquets we are able to make.

**ROSES**—vary in price with the season, length of stem, and the flowers. American Beauty—May to November, \$3.00 to \$10.00 per dozen; Yellow—\$4.00 to \$15.00 per dozen; White, Pink and Red—\$3.00 to \$15.00 per doz.

**CARNATIONS**—\$2.00 to \$4.00 per dozen.

**SNAPDRAGONS**—\$2.00 to \$4.00 per dozen.

**DAFFODILS AND NARCISSUS**—\$1.50 to \$4.00 per dozen.

**EASTER LILIES**—\$6.00 to \$10.00 per dozen blossoms.

**CALLA LILIES**—\$2.50 to \$5.00 per dozen.

**SWEET PEAS**—(hot house) November to April 75c to \$1.50 per bunch of 25. April to June 50c to 75c per bunch.

**VIOLETS**—50c per bunch.

**CHRYSANTHEMUMS**—October, November, December \$3.00 to \$15.00 a dozen.

**CHRYSANTHEMUMS**—Baby or Pom Pom. \$1.00 to \$1.50 per bunch.

**CUT ASPARAGUS SPRAYS**—75c per dozen.

**CUT MAIDENHAIR FERNS**—Per bunch \$1.50.

**BOXES OF ASSORTED CUT FLOWERS**—\$2.50 each and up.

**BOUQUETS OF ASSORTED CUT FLOWERS**—\$2.50 and up.

Other cut flowers in season at the lowest prevailing prices.

**BASKET OF ROSES**—\$5.00 and up.

**FLOWERS FOR COMMENCEMENT**, Store openings, etc.—baskets of best assorted flowers \$3.00 to \$7.00.

**HORSE SHOES**—\$7.50, \$10.00, \$15.00 and up.

## FOR WEDDINGS

**BRIDAL BOUQUETS**—White Roses \$5.00 and up, with showers \$7.50 up.

**BRIDAL BOUQUETS**—White Carnations \$3.00 up, with showers, \$5.00 up.

**BRIDAL BOUQUETS**—Lilies of the Valley, alone or combined with white roses, with showers \$10.00 each and up.

**BRIDESMAIDS BOUQUETS**—\$2.50 and up.

**CORSAGES**—\$2.50 and up.

**BASKETS FOR FLOWER GIRLS** \$2.50 and up. Ribbons Extra.

## FUNERAL DESIGNS

**ANCHORS**—\$5.00 and up.

**CROSSES**—\$5.00 and up.

**CRESCENT**—\$5.00 and up.

**WREATHS**—\$5.00 and up.

**STAR AND CRESCENT**—\$10.00 and up.

**GATES AJAR**—\$15.00 and up.

**HEART**—\$7.50 and up.

**HARP**—\$7.50 and up.

**LYRE**—\$7.50 and up.

**STAR**—\$5.00 and up.

**PILLOW**—\$5.00 and up.

**SPRAY OR FLAT BOUQUET**—\$2.50 and up.

## LODGE DESIGNS

Masonic, Odd Fellows, Elks etc., \$10.00 and up.

## BLOOMING PLANTS

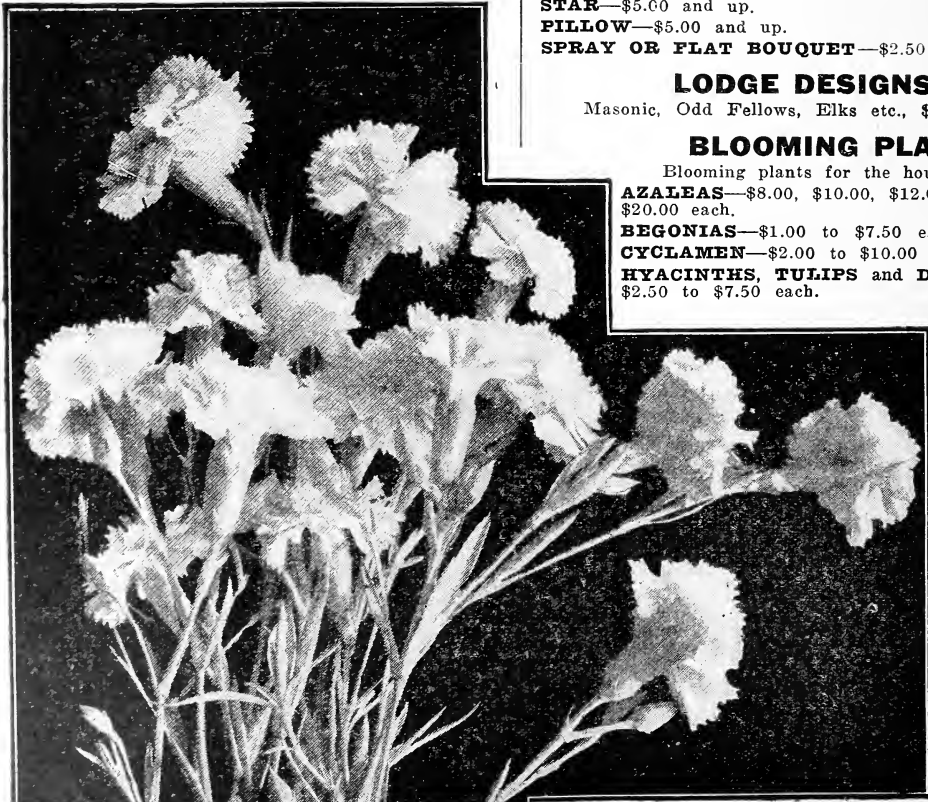
Blooming plants for the house.

**AZALEAS**—\$8.00, \$10.00, \$12.00, \$15.00 and \$20.00 each.

**BEGONIAS**—\$1.00 to \$7.50 each.

**CYCLAMEN**—\$2.00 to \$10.00 each.

**HYACINTHS, TULIPS and DAFFODILS**—\$2.50 to \$7.50 each.



# Novelties and New Introductions for '32



Zinnia Lilliput

## NEW DOUBLE NASTURTIUM GOLDEN GLEAM

The plant forms a vigorous, large bush, throwing out short runners averaging 18 inches. When in full bloom the entire plant is a blaze of large golden-yellow sweet scented flowers which average two and a half to three inches across. They are borne on erect stems, 6 inches long which makes them an excellent cut flower. A bouquet of these handsome double flowers will fill a room with their fragrant sheen. Pkt. 35c.

## NEW GAILLARDIA PORTOLA HYBRIDS

The flowers are extra large, long stemmed and of excellent keeping quality. They are of a vivid red shade, each petal tipped gold. Color is much brighter and clearer and the flowers are immense compared to the older type. Pkt. 25c.

## NEW CALENDULA CAMPFIRE

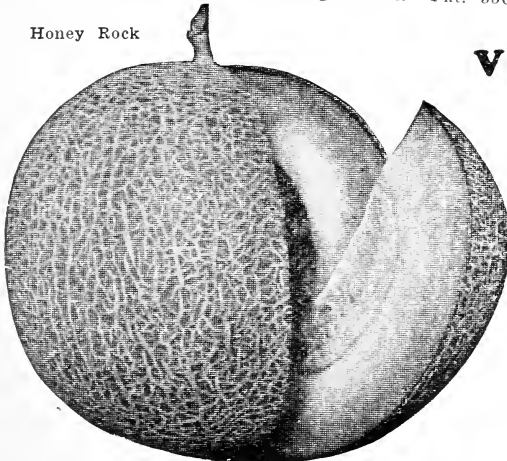
A new orange variety which is an improvement over the popular "Orange King". The stems are longer and the flowers larger, giving the impression of having a crimson sheen. Pkt. 25c.

## PANSIES

### LANGERS' SWISS GIANTS

Enormous flowers freely produced on exceptionally robust plants. The supremacy of this magnificent new strain lies not only in the astonishing size of the blooms, but in the vigor and bearing of the plants. In richness of colorings they rival all existing strains. Pkt. 35c.

Honey Rock



## ZINNIA LILLIPUT

### POMPON OR BABY ZINNIAS

#### Improved Type

These small button-like flowers are increasing in favor each year. They are especially desirable for cut flowers. We offer them in a splendid mixture of colors. Pkt. 25c.

## LINARIA

### MAROCCANA

Delightful hardy annual growing 12 to 15 inches high, bearing many flowers resembling miniature Snapdragons. Pkt. 10c.

## VIRGINIA STOCK

A showy border annual growing 4 to 6 inches high and bearing a profusion of small rose, white and yellow flowers. Blooms quickly from seed. Pkt. 10c.

## TALL DOUBLE GODETIA

Double, large flowered strain growing 2 to 3 feet high and bearing bright flowers on long stems. Excellent for cutting. Pkt. 10c.



Portola Hybrid Gaillardia

## AMARANTHUS

### MOLTEN FIRE

One of the last great achievements of Luther Burbank. Plants make a brilliant show in the garden all summer long. Foliage is deep maroon, while the top leaves are of a most brilliant fiery crimson. Grows 2 to 3 feet high. Pkt. 25c.

# Vegetable Novelties for 1932

## NEW PEPPER

### CALIFORNIA WONDER

Resembles Chinese Giant in large size and shape, but has an extremely thick, mild, sweet flesh not possessed by that variety. Fruit will average 4 1/2 inches in length by 4 inches in diameter. Pkt. 25c.

## NEW CUCUMBER

### LONGFELLOW

An excellent, long, slender, dark green variety equally desirable for greenhouse or outdoor culture. Fruit is 12 to 14 inches long and is an ideal type for private gardens. Pkt. 25c.

## NEW MUSKMELON

### HONEY ROCK

A new melon which is acquiring immediate popularity on account of its high quality. Of medium size with gray-green skin covered with a heavy coarse netting; thick rich salmon flesh. Pkt. 25c.

# LANGERS FLOWER SEEDS

ALL FLOWER SEEDS ARE SENT POSTPAID AT THE PRICE QUOTED.

**AGERATUM**—Flowers light blue or lavender, furnishing continuous bloom through the summer. Height 12 inches. Hardy annual. Pkt. 10c.

**ALYSSUM SWEET**—A favorite flower for bouquets. Also used extensively for bordering. White and very fragrant, producing a succession of blooms all summer. Does well in our climate. Pkt. 10c.  
—Dwarf, or Little Gem. Pkt. 10c.

**AMARANTHUS**, tricolor. (St. Joseph's Coat)—Valuable for varieties of handsome foliage. Height 2 to 3 feet. Hardy annual. Pkt. 10c.

**ANTIRRHINUM** (Snapdragon)—One of the most desirable flowers for its variety of colors and succession of blooms, lasting from early in the summer until the very hardest frosts. Height 1 to 2 feet. Perennial.  
—Separate Colors: White, Pink, Yellow, Bronze, Red, Maroon. Pkt. 10c.  
—All colors mixed: Pkt. 10c.

**AQUILEGIA**, caerulea (Rocky Mountain Columbine)—Color light blue. Height from 1 to 3 feet. Hardy perennial. Single and Double. Pkt. 10c.

**ASPARAGUS**—Fern-like plants which are very popular for the house.  
—Sprenger. Much used for hanging-baskets. Pkt. 20c.  
—Plumosus nanus. Pkt. 20c.

**ASPERULA**, azurea-setosa. A flower finely adapted for bouquets by reason of its shape, size and delicate color, a light blue or lavender. In bloom from early in the summer until after the severe frosts. Height 9 inches. Hardy annual. Pkt. 10c.

**ASTER**—A popular annual produced in great variety of colors of classes and almost endless number of colors. The tallest varieties grow about 2 feet high. To grow them successfully in this climate they must be watered with great regularity, as often as twice a day. Their roots do not go down into the soil, but spread out very close to the surface.

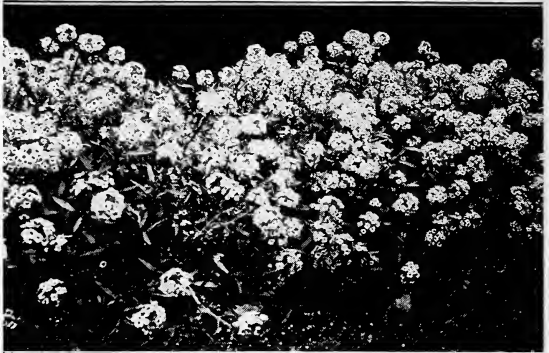
—Queen of the Market. The earliest variety. Colors White, Pink, Red, Blue or Mixed. Each pkt. 10c.  
—Trauffaut's Peony-flowered. Medium tall. Deserves a place in every garden. White, Blue, Indigo, Rose, Red, or all Colors Mixed. Each, pkt. 10c.

—Comet or Branching. A handsome and very distinct variety, resembling Japanese Chrysanthemums. All colors mixed. Pkt. 10c.

—Daybreak. A beautiful Aster, flowers large, round and full. Of a delicate shell-pink, borne on long stems. Plant robust and of branching habit. Pkt. 10c.



Comet or Branching Asters



Alyssum, Sweet

—Choice Fixed. Includes some of all varieties and colors. Pkt. 10c.

**BABY BLUE EYES** (Nemophila)—A hardy annual growing about 6 in. high. Blossoms are cupped shaped. The color is sky-blue with white eyes. Seed may be sown from October to March and is valuable for carpet bedding. Pkt. 10c.

**BABY BREATH**—See Gypsophila.

**BALSAM**—Blossoms are double, though semi-double and single ones are very certain to appear and such plants should be removed. Height 2 feet. Tender annual. Pkt. 10c.

**CALLIOPSIS**—A very showy border plant, producing flowers in nearly every shade of yellow, orange, crimson, red and brown. Height 2 feet. Hardy annual. Mixed colors, pkt. 10c.

**CALIFORNIA POPPY**—A flower attractive in foliage, bud and blossom. One of the most brilliant flowers grown. Height 1 foot. Half-hardy annual. Pkt. 10c.

**CALENDULAS**—This is one of our best winter flowering plants. Seed planted in August begins blooming in October and blooms until the next spring. A hard frost will not hurt them. Hardy annual growing 1 ft. high. Very double.

**ORANGE KING**—Bears giant flowers. Color pure orange. Pkt. 10c; oz., 50c.

**LEMON QUEEN**—Beautiful pure lemon yellow. Pkt. 10c; oz., 50c.

**CAMPANULA**, Medium (Canterbury Bells)—A beautiful perennial bearing a great profusion of attractive bell-shaped flowers. Grows to a height of from 2 to 3 feet. Mixed colors. Pkt. 10c.

**CANDYTUFT**—Very desirable for bouquets; is fragrant and blooms profusely. Height 1 foot. Hardy annual. Mixed colors, pkt. 10c; White, pkt. 10c; Dwarf, pkt. 10c.

**CANNA**—Stately plants which do splendidly in this section. Perennial. Mixed colors, pkt. 10c.

**CARNATIONS**—This beautiful and well-known flower produces a finer bloom when grown from seed than when grown from cuttings. Our seed will produce a fine variety of colors and flowers of good size. Height 18 inches. Half-hardy. Perennial.

—Carnations, German. Pink, White, Red or Mixed colors. Each, pkt. 10c.

—Marguerite. Most popular Carnations with the amateur as they begin flowering a few weeks after sowing. Pink and White, mixed, pkt. 10c.

**CASTOR-OIL BEANS**—Planted extensively to provide shade in poultry yards. A luxuriant, expansive foliage plant of a tropical appearance. Stalks of the plant brownish red. Leaves very large. Height 6 to 10 feet. Annual.

—Large Red. Pkt. 10c; oz. 20c; lb. \$1.65, postpaid.

**CENTAUREA**, Candidissima (Dusty Miller)—Magnificent foliage plants with silver-white and gray foliage. Fine for borders and edges. Half-hardy perennial. Height 1 foot. Pkt. 10c.

—Cyanus. (Bachelor's Button) A showy annual of easy culture. Flowering freely with a great variety of colors in common garden soil. Height 2 feet. Pkt. 10c.

—**Imperialis** (Royal Sweet Sultan). Finest of all Sweet Sultans. Excellent for cutting. Very large flowers on stiff, long stems. Mixed, pkt. 10c.

—**Moschata** (Sweet Sultan). A well-known type. Blossoms very fragrant. Height 2 feet. Pkt. 10c.

—**Marguerite**. White. Sweet-scented Centaurea, about as large as a medium size carnation. Plants are about 18 inches high. Flowers are beautiful and produced on long stems. Their lasting quality after being cut is remarkable. Pkt. 10c.

—**Suaevolens** (Yellow Sweet Sultan). Pkt. 10c.

**CHINESE WOOL FLOWER**—Plants grow two to three feet high and throw out scores of branches bearing beautiful, ball-shaped flower heads resembling somewhat balls of deep crimson scarlet wool. Pkt. 10c.

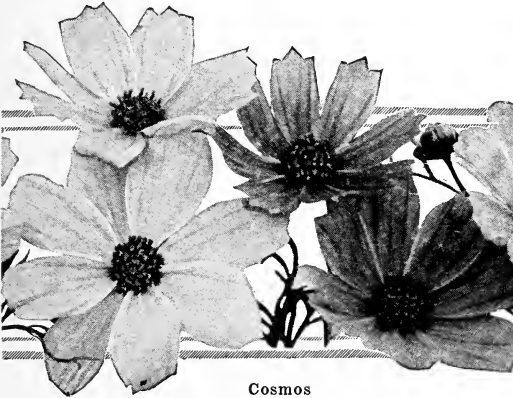
**CHRYSANTHEMUM**—Perennial, Mixed. Produce finely shaped, double flowers in great profusion. Bloom late in the fall. Pkt. 15c.

**CHRYSANTHEMUM ANNUAL** (Painted Daisy)—Hardy annuals, growing to a height of about 2½ ft. Blossoms are contrasted colors produced in zones. Require little water. Bloom in the spring when planted in the fall. Mixed colors, Pkt., 10c.

**COCKSCOMB**—Half-hardy annual, growing 6 to 8 inches high, bearing a wide wavy blossom, resembling a cock's comb. Fine for border work. Mixed colors, pkt. 10c.

**COLEUS**—Well-known foliage plant. Rapid growth and easy culture. Tender perennial. Height 1 to 2 feet. Pkt. 25c.

**COLUMBINE**—See Aquilegia.



Cosmos

**COREOPSIS**, lanceolata—Flowers large, single, golden yellow. Nothing will compare with it for profusion of blooms, and it will bear cutting better than any other plant. Can be grown freely from seed, and does well. Perennial. Pkt. 10c.

**COSMOS**—A beautiful fall-flowering plant which succeeds admirably in all sections of Arizona. We know of no single flower that is as handsome as the Cosmos, while for keeping qualities when cut they are unequalled.

—All Colors Mixed. Pkt. 10c; oz. 50c.

—Separate Colors. Yellow, Pink, White or Crimson. Each, pkt. 10c; oz. 75c.

—New Double Crested. Mixed colors. Pkt. 25c.

**CYCLAMEN**—Tuberous-rooted plant, well known and universally admired. Produces handsome red, white and pink flowers. Pkt. 25c.

**DAHLIA**—A well-known and popular late summer and autumn plant. We have seen in Tucson flowers in the autumn, from seed planted the preceding spring. Dahlias are easy of cultivation and are half-hardy perennials. They are excellent for cut-flowers and are borne on long, stiff stems. Double and single. Mixed, pkt. 20c.

**DIGITALIS** (Fox-glove)—Showy and useful for border. Flowers are borne on tall spikes, bell or thimble-shaped, of all colors. Height 2 feet. Hardy and Biennial. Mixed colors. Pkt. 10c.

**DAISY** (Bellis perennis)—Charming little plants for edging and borders. Flowers are quilled and flat-petaled, white, pink, red and variegated. Not all will come double from seed, and the single ones should be pulled out. Height 6 inches. Tender perennial. Double mixed. Pkt., 10c.

**SHASTA DAISY**—Fine perennial plant bearing large white, single blossoms with yellow centers. An excel-



Daisy

lent cut-flower and admired everywhere. Contrary to general belief it does very well in Arizona. Soak seed in warm water over night before sowing. Pkt. 15c.

**AFRICAN LILAC DAISY**—Large pearly white Marguerite-like flower, with delicate mauve center surrounded by a narrow golden white down. Half hardy annual. Height 2 feet. Pkt. 10c.

**AFRICAN YELLOW DAISY**—Colors include all shades of yellow, orange and cream. When massed in beds or on wide borders, they have a very showy effect. Showy annuals of easy culture. Mixed. Pkt. 10c.

**PAINTED DAISY**—See Annual Chrysanthemum.

**TRANSVAAL DAISY** (Gerbera)—These produce large daisy-like blooms, growing to about 2 ft. in height. Colors range from white to crimson, pink, rose, and yellow. It is a hardy perennial, and blooms almost the year around. Pkt., 25c.

**DELPHINIUM**—(Perennial Larkspur). One of the finest garden flowers, growing to a height of about 3 or 4 ft. Blossoms are produced on long graceful spikes and are most attractive. Delph blue is the predominant color and is by far the most beautiful shade, though they come in many colors.

**BELLADONNA**—Beautiful torquoise blue. Splendid for cutting. Pkt. 10c.

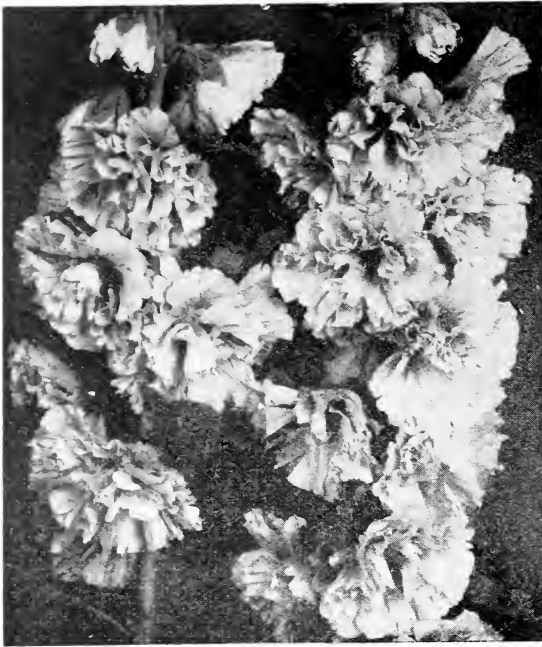
Hybrids: All colors mixed. Pkt. 25c.

**FOUR-O'CLOCK** (Marvel of Peru)—Hardy annual about 2 feet high. Is of the easiest culture. Does well with little water or care in Arizona. The flowers bloom in the afternoon and remain open during dull days. Often used as a temporary hedge or division. Is free flowering and blossoms in great variety of colors and stripes. Mixed colors, pkt. 10c.



Four-O-Clock





Hollyhocks

**FORGET-ME-NOT** (*Myosotis alpestris*)—This beautiful little flower is too well known to require description or recommendation. Beautiful little flowers appear all summer. An excellent plant for planting in front of the border, and spreads very rapidly. Height 6 inches. Hardy perennial. Pkt. 10c.

**GAILLARDIA**—A very showy garden plant with brilliant flowers in scarlet and yellow, blended and shaded. Blooms freely from early summer until late autumn. Grows 1½ to 2 feet high and the blossoms are borne on long, slender stems. Both single and double varieties. Very hardy.

—Fine Single or Double. Mixed. Pkt. 10c.

**GERANIUM**—A half-hardy perennial flowering the first year from seed if sown early. A popular flower in brilliant colors. Propagation by seed is the only way to obtain new varieties. Height 1 to 2 feet. Mixed. Pkt. 25c.

**GILLIFLOWER**—See Ten Weeks Stock.

**GODETIA**—A beautiful plant of neat, dwarf, compact habit, with a profusion of carmine flowers produced in a succession of bloom from early summer until frost. Height 1 foot. Hardy annual. Mixed. Pkt. 10c.

**GOMPHRENA** (Globe Amaranth)—An everlasting flower, globe shaped, resembles a clover blossom. Mixed, pkt. 10c.

**GYPSOPHILA** (Baby's Breath)—A hardy annual of easy culture. Grows 2 to 3 feet high and bears a profusion of small, star-shaped, white and pink flowers. Pkt. 10c.

**HOLLYHOCK**—Great variety of brilliant colors, combining richness and delicacy in a remarkable degree. They make a fine row in a garden or a fine background next to a building or high wall or fence. Hardy perennial of upright growth, 5 to 8 feet high. Single or Double, in Black, Red, Yellow, Pink or White in separate colors, or mixed. Each, pkt., 10c.

**HOLLYHOCKS**—Annual. When sown in the fall they will bloom the first year, growing to a height of from 6 to 10 ft. Pkt. 10c.

**HELIOTROPE**—A half-hardy perennial growing 1 foot high. Small flowers borne in graceful clusters and very fragrant. Blooms the first season from seed if sown early. Pkt. 10c.

**JOB'S TEARS**—Curious ornamental grass from East India, with broad, corn-like leaves and seed of light slate-color. Wonderfully lustrous. Strings of handsome beads are formed from the seeds. Hardy annual. Height 3 feet. Pkt. 10c.

**LACE FLOWER** (*Didiscus Caeruleus*)—Hardy annual, planted from early spring to late summer. Lovely lace-like blue flower. Pkt. 10c.

**LARKSPUR**—A fine variety of colors, shades of blue, white and red, some striped and mottled. Flowers are produced on spikes which are continually pushing out from the main stem and branches, furnishing an abundance of bloom. Height 2 feet. Hardy annual. Double white, Pink, Purple, Lavender or Mixed colors. Pkt. 10c. ½ doz., 50c.

**LARKSPUR**—Perennial. See Delphinium.

**LANTANA**—Rapid-growing plant. Flowers borne in verberna-like heads embracing every shade of pink, purple, orange and white. Height 2 feet. Mixed, pkt. 10c.

**LAVENDER**—Chiefly cultivated for the delicious fragrance of its flowers. Succeeds in any common garden soil. Pkt. 10c.

**LINUM** (Scarlet Flax)—A hardy annual about 1½ feet high. Of slender and graceful appearance, with smooth stems and bright red flowers, which are borne in great profusion. Pkt. 10c.

**LOBELIA** (Crystal Palace)—An elegant and useful class of plants, of dwarf, compact growth, bearing a profusion of delicate blue flowers. Blooms from early in the summer until late in the autumn. An excellent edging plant. Height 6 inches. Half-hardy annual. Pkt. 10c.

**MARIGOLD**—A hardy annual shrubby plant in dwarf and tall varieties, growing from 6 inches to 3 feet high. Foliage is bright green, deeply cut and graceful. Flowers in various shades of yellow and brown. Tall varieties are very valuable for large bedding or back-ground work, and the dwarf varieties for borders.

**AFRICAN TALL**—Grows to a height of 2½ ft. Produces large double orange or double yellow blooms, having very much the appearance of a sponge. Pkt. 10c. ¼ oz., 35c.

**FRENCH**—Grows to a height of about 18 inches. When planted in the early spring will start flowering early in the fall and will continue until the frost. Color brownish-red. Very double. Pkt. 10c; ¼ oz., 35c.

**MOURNING BRIDE** (*Scabiosa*)—Fine for bouquets. Plants of dwarf habit and compact. Flowers borne on long, wiry stems. Dwarf, double, mixed. Pkt. 10c.

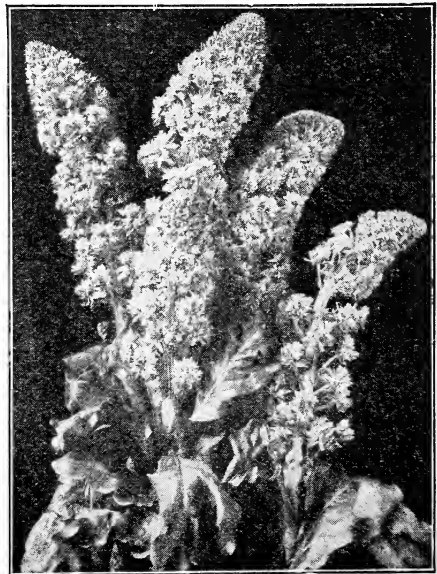
**MIGNONETTE**—One of the best known and popular flowers. Indispensable for the garden. Suitable to almost any location and soil, furnishing its fragrant blossoms until after the severe frosts. Height 1 foot. Hardy annual.

—Grandiflora. Sweet, large, yellow flowers. Pkt. 10c.

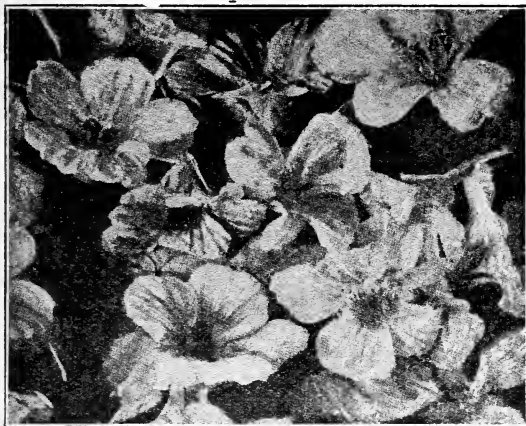
**MIMULUS**—These flowers are remarkable for their rich and beautiful markings and spots. Bloom freely. Must be planted in a moist, shady situation.

—*Moschatus* (Musk Plant). Much grown for its exquisite perfume. Pkt. 10c.

—*Tigrinus* (Monkey Flowers). Unique flowers which add a quaint touch to the garden. Pkt. 10c.



Mignonette



Nasturtiums

**NASTURTIUMS**—Nasturtiums can be planted almost any month in the year. They are quite hardy and will stand considerable frost, and if planted early in the fall in a protected sunny location, will bloom all during the winter months. The foliage is pretty, and the beautiful flowers are obtained in a great number of the brightest colors and tints.

—Tall or Climbing. Height 6 to 10 feet. Bronze, Orange, Scarlet, White, Crimson and Maroon in separate colors or mixed. Each pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50, postpaid.

—Dwarf. The plants form small, round bushes, 12 to 16 inches in height, and are covered with a mass of bloom. Bronze, Orange, Scarlet, White, Crimson and Maroon, in separate colors or mixed. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50, postpaid.

**NICOTIANA**, affinis. (Flowering Tobacco)—Annual, growing 3 feet high, with slender, tubular white, fragrant flowers. Requires plenty of room in the garden. Pkt. 10c.

**NIGELLA** (Love-in-a-Mist)—A hardy annual, 1 foot high, with finely cut foliage. Oddly shaped blossoms in blue and white. Easy of culture. Pkt. 10c.

**PANSIES**—The Pansy is the most popular flower grown, and has a larger assortment of colors than almost any other flowers. They are biennials, and bloom continuously, but in the Southwest they should be planted in a location which is entirely shaded, or nearly so, as the north side of the house. Water twice a day during the hot summer months.

—Trimardeau Strain. Very large-flowered; an entirely distinct and beautiful race with flowers of the richest and most varied shades of colors. Plants of vigorous, compact growth.

—White, with dark center. Pkt. 10c.

—Black (King of the Blacks). Pkt. 10c.

—Yellow. Clear yellow. Pkt. 10c.

—Blue. Azure-blue. Pkt. 10c.

—Purple. Deep royal purple. Pkt. 10c.

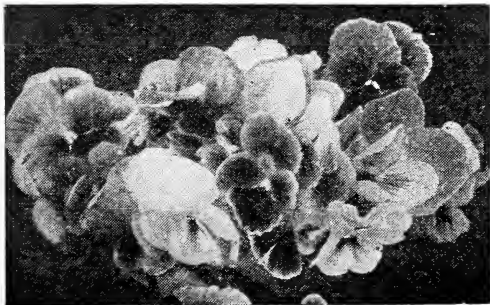
—Bronze. Golden bronze. Pkt. 10c.

—Mixed. All colors. Pkt. 10c.

—One Pkt. each of the six colors, 50c.

—Choice Mixed. Consisting of many popular colors of ordinary strains. Pkt. 10c.

—Sweet-scented. Mixed. Pkt. 15c.



Pansies

**PHLOX**—Old-fashioned flowers which bloom profusely and are easy of cultivation.

—Drummondii. Brilliant and varied colors; continuous and profuse bloom; one of the last to succumb to the frost. Good bedder. Grows from 6 inches to 1 foot high. Mixed or separate colors, pkt. 10c.

—Alba. White. Pkt. 10c.

—Star of Quedlinburg. Star-shaped flowers. Mixed pkt. 10c.

**PINKS** (Dianthus)—Splendid, large flowers of the richest and most brilliant colors and markings. Delightfully fragrant. Hardy perennials. About 1 foot high.

—Chinensis (China or Indian Pink). Double Mixed. Pkt. 10c.

—Laciniatus. Single; fringed. Mixed, pkt. 10c.

—Imperialis (Double Imperial Pink). Very large. Mixed, pkt. 10c.

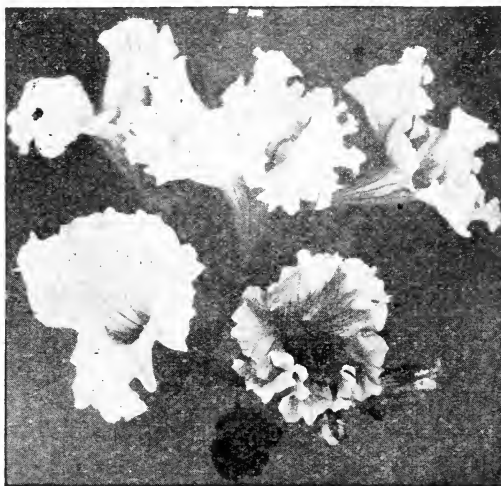
—Heddewigi (Japanese Pink). Single and double. Mixed, pkt. 10c.

**PETUNIA**—One of the best flowers for splendid display throughout the entire season. Beautiful, new colors striped and marked in the most diversified manner. Easy of culture, and profuse and continuous bloomers.

—Double Mixed. Pkt. 25c.

—Fringed Giants. Produces immense, large single blossoms. Pkt. 25c.

—Striped and Blotched. Single Mixed. Pkt. 10c.



Petunia

**POPPY**—Hardy plants 3 to 5 feet high, which do admirably in Arizona. Bear large single and double blossoms in bright colors.

—Fairy Annual. Flowers double and of large size. Mixed, pkt. 10c.

—Tulip-Flowered. Annual. Intense scarlet. single blossoms. Pkt. 10c.

—Shirley. A most beautiful type of Poppy, having soft, hairy foliage and an immense variety of single blossoms in white, pink, lavender, red and scarlet. Petals are very dainty and look as if made of crepe paper; free-blooming. Mixed colors, pkt. 10c.

—Iceland. Hardy perennial. Blooming the first year from seed. Graceful, delicate, 12 inches tall, with white, orange and yellow single blossoms. Pkt. 10c.

—Orientale (Large Oriental Poppy). Perennial. Very hardy, with large brilliant crimson flowers with a black blotch on each petal. 2½ feet tall. Pkt. 10c.

**PRIMULA**, obconica (Primrose). Very desirable house blooming plants. Are in constant bloom all winter. Perennial. Height 1 foot. Pkt. 10c.

**SALPIGLOSSIS**—A beautiful annual that deserves to be more widely known; when once grown in the garden will be one of the first to be chosen for the next year. Flowers of the richest color—blue, crimson, yellow, purple, scarlet with texture like rich velvet each petal beautifully penciled. Height 2 feet. Mixed colors, pkt. 10c.

**SALVIA** (Scarlet Sage)—Ornamental plant with flowers in spikes. It continues in bloom until the hard frosts. Height 1½ feet. Tender annual. Pkt. 10c.

**STATICE** (Latifolia)—This variety produces large branching sprays of minute lavender-blue flowers. Valuable for cutting or to be dried as everlasting flowers. a perennial. Pkt. 10c.

**STRAWFLOWER** (*Helichrysum*) — Free flowering hardy annual, growing 2-3 ft. in height, bearing beautiful straw-like flowers in a great variety of shape and colors. When gathered and dried will last for many months. All colors mixed. Pkt., 10c; ½ oz., 50c.

**STOCKS, Ten Weeks** (*Gilliflower*)—Plants grow about 1 foot high, making a compact bush covered with splendid spikes of blooms. The seed planted in the fall will produce flowers in the very early spring. They are of easy culture, hardy, beautiful and very satisfactory.

—Dwarf. Mixed, pkt. 10c.

—Separate Colors. White, Blue, Crimson, Purple and Yellow. Each pkt. 10c.

—Tall, Perfection, Mixed—Pkt. 10c.

**SWEET WILLIAM** (*Dianthus barbatus*)—Very beautiful flower which should find a place in every garden. Great variety of rich colors, forming large trusses of blooms and remaining a long time in blossom. Hardy perennial. Height 18 inches.

—Single. Mixed. Pkt. 10c.

—Double. Mixed. Pkt. 10c.

**SWEET SULTAN**—See *centaurea moschata*.

**SUNFLOWER**—Hardy annuals growing from 3 to 10 feet high. Of the easiest culture, and suitable for a stately row or back ground. Make fine shade when planted in poultry yards.

—Chrysanthemum-flowered. Large, densely double, bright golden flowers. The plant branches and affords long, stout stems for cutting. Pkt. 10c.

—Mammoth Russian. The common large-flowering variety, with great brown centers and an edge of yellow petals. Seed is used for chicken-feed. Pkt. 10c.

### LANGERS SWEET PEAS

Sweet Peas do well in almost any kind of soil, but as they are gross feeders, mix good supply of well-rotted manure with the soil; omit manure if planted in the spring. Fall is the best time to plant. Dig a trench 1 foot deep and 16 to 18 inches wide, and mix in it 6 inches of top-soil with the rotted manure. In this plant the seed in two rows and drop one Pea every inch or two. Cover with 2 inches of soil, gradually filling the trench as they grow, making one side a little lower than the other to allow the surplus water to drain off.

### ORCHID FLOWERING SPENCER VARIETIES

These are the large orchid flowering sweet peas, and are quite distinct from the standard sorts. The flowers often measure from two to two and one-half inches across, with large, frilled and wavy standards. Three and four of these beautiful flowers are borne on one good, long stem, making them unsurpassed for vases and other decorative work.

**Austin Fredrick**—Giant lavender. Very fine. Pkt. 10c; oz., 40c.

**Daffodil**—Rich deep primrose. Pkt., 10c; oz., 40c.

**Dobbie's Sun Proof Crimson**—Bright crimson. Pkt., 10c; oz., 40c.

**Fiery Cross**—Flame red to orange scarlet. Pkt., 10c; oz., 40c.

**Hawlmork Pink**—Rich rose pink shaded salmon. Pkt., 10c; oz., 40c.

**Hercules**—Giant bright pink. Pkt., 10c; oz., 40c.

**Helen Lewis**—Striking orange pink. Pkt., 10c; oz., 40c.

**Illuminator**—Rich cerise pink with salmon. Pkt., 10c; oz., 40c.

**King White**—Best pure white. Pkt., 10c; oz., 40c.

**Mary Pickford**—Dainty creamy pink suffused salmon. Pkt., 10c; oz., 40c.

**Mrs. Tom Jones**—Delphinium blue. Pkt., 10c; oz., 40c.

**Mrs. Routzahn**—Straw color tinted pink and apricot. Pkt., 10c; oz., 40c.

**Othello**—Deep maroon. Pkt., 10c; oz., 40c.

**R. F. Felton**—Immense pinkish lavender. Pkt., 10c; oz., 40c.

**Rosabelle**—Giant rose. Pkt., 10c; oz., 40c.

**Royal Purple**—Deep rich purple. Pkt., 10c; oz., 40c.

**Sun Set**—Bright rose on amber ground. Pkt., 10c; oz., 40c.

**Langers Spencer Mixture**—Carefully prepared mixture of the best spencer types. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

**Langers Superb Collection**—Six packets of our best Spencer Varieties. Our selection, 50c.

—Cupid Sweet Peas, Mixed. A dwarf variety growing about 1 foot high, spreading to about 2 feet in diameter. Stems rather short, but blossoms are larger than those of the tall varieties. Pkt., 10c; oz., 50c; ¼ lb. \$1.25; lb., \$3.00, postpaid.



Sweet Peas

### LANGERS WINTER FLOWERING VARIETIES

These are extra fine, and bloom several weeks ahead of the regular Spencers. They are strong growers, and the blooms are produced on very long, heavy stems. They can be had in bloom for Christmas if planted September first and well protected from cold and frost.

**Early Amethyst**—Early purple. Pkt., 15c; oz., 75c.

**Early Blue Boy**—Light blue. Pkt., 15c; oz., 75c.

**Early Glitters**—Cerise scarlet. Pkt., 15c; oz., 75c.

**Early Harmony**—Clear lavender. Pkt., 15c; oz., 75c.

**Early Liberty**—Sparkling crimson. Pkt., 15c; oz., 75c.

**Early Melody**—Clear rose pink. Pkt., 15c; oz., 75c.

**Early Snowflake**—Large pure white. Pkt., 15c; oz., 75c.

**Early Torch**—Brilliant salmon orange. Pkt., 15c; oz., 75c.

**Yarrowa**—Clear pink, extra fine. Pkt., 15c; oz., 75c.

**Early Vulcan**—Vivid scarlet. Pkt., 15c; oz., 75c.

**Zvolanek's Rose**—Bright rose pink. Pkt., 15c; oz., 75c.

**Langers' Winter Flowering Mixed**—Pkt., 15c; oz., 60c.

Collection of any six packets of above -----75c

### LANGERS GIANT WINTER FLOWERING SPENCER "PASTEL MIXTURE"

A special blending of all the finest pastel shades. Extra choice. Pkt. 25c.

See our list of new double Sweet Peas on inside front cover.

**VERBENA**—We know of no flowers so well adapted to our climate. They are in constant bloom from very early in the spring until late summer, and are the most popular bedding plants grown from seed. They produce a fine variety of colors and a profusion of bloom, and their easy culture makes them one of the most desirable flowers.

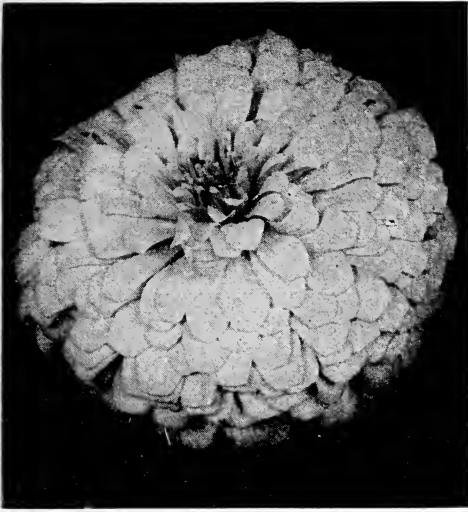
—Verbena Mammoth, Mixed Colors. Pkt. 10c.

—Separate Colors. White, Pink, Purple, Blue, Scarlet or Striped. Each pkt. 10c.

**WALLFLOWER**—Large, handsome spikes of the Wallflower are very conspicuous in beds or borders. Deliciously fragrant; very useful for bouquets. Height 18 inches. Tender perennial. Double Mixed. Pkt. 10c.

**VIOLET** (*Viola odorata*). The Violet is of easy culture, and thrives in our climate. Very fragrant and blooms all winter. Does best in a shady or sheltered place, and can be easily increased by dividing the roots. A hardy perennial. Height 4 inches. Pkt. 25c.





Zinnia

**ZINNIAS**—Fine, large flowers of great variety of color—red, rose, crimson, scarlet, purple, orange, white or yellow. Flowers are very double. They remain in bloom from early summer until frost, are extremely heat resistant, and require but little care. Height 2 feet. Annu. l.

—Double Mixed. Pkt. 10c; oz., 75c.

—Double Giant. A truly giant-flowered Zinnia. The individual blossoms measure from  $4\frac{1}{2}$  to 6 inches in diameter, are very double, and have wide petals. They are very free-flowering and robust and bloom freely until late in the fall. Mixed, pkt. 15c; oz. \$1.00.

**LANGERS DAHLIA FLOWERED ZINNIAS**—A new introduction of great merit. The blooms attain enormous size, frequently measuring 6 to 8 inches in diameter. It is as hardy as the standard Zinnia and one of the most satisfactory summer flowers that can be grown. Price all varieties, pkt. 25c; oz. \$2.50.

—Canary Bird. Delicate primrose, very large with lasting color.

—Crimson Monarch. Excellent red variety.

—Dream. Deep lavender shading to purple.

—Exquisite. Light rose with deep rose center.

—Golden State. A very rich orange-yellow.

—Polar Bear. A very large pure white.

—Langers Dahlia Flowered. Mixed colors.

—Lilliput or Pompon. Mixed colors, pkt., 25c.

## CLIMBERS AND TRAILERS

**MIXED CLIMBERS**—In this we have included all the popular, quick-growing climbing annuals, such as Ipomoeas, Nasturtiums, Sweet Peas, Japanese Hop, Cypress Vine, etc., just the thing for covering old fences or arbors. Pkt. 10c.

**AMPELOPSIS, quinquefolia** (Virginia Creeper)—One of the best climbing plants for permanent situations as it is very hardy and withstands any amount of heat and dry weather. Height 50 to 100 feet. Perennial. Pkt. 10.

—Veitchii (Boston Ivy). Pkt. 10c.

**ANTIGONION LEPTOPUS** (Queen's Wreath or Mountain Rose)—A wonderful climber from central Mexico, bearing the most beautiful rose-colored flowers and racemes 2 ft. long. Often grows 30-40 ft. in a season. Vines are killed to the ground by the frost, but quickly shoot up in the spring and bloom from June until late fall. Per pkt. 25c.

**BALLOON VINE** (Love in a Puff)—Climbing annual, with small flowers. The seed pods are curiously swelled or puffed and are quite attractive. Pkt. 10c.

**BEANS**—Ornamental climbers for porch and trellis. —Scarlet Runner. Pkt. 10c;  $\frac{1}{4}$  lb. 25c; lb., 75c.

**BIGNONIA, radicans** (Trumpet Vine)—Magnificent, hardy, deciduous climber with brilliant flowers. Very effective for covering walls, houses, etc. Height 20 to 30 feet. Hardy Perennial. Pkt. 10c.

**CANARY-BIRD FLOWER**—Grows to a height of about 8 feet. One of the best climbing plants, with graceful foliage, and small yellow flowers. Half-hardy annual. Pkt. 10c.

**CARDINAL CLIMBER**—A hardy, dainty annual climber. Bears a mass of small crimson flowers. Height 10 to 15 feet. Pkt. 10c.

**CLEMATIS**—Well-known and universally admired. Remarkable for fragrance of bloom. Height 15 feet. Mixed varieties. Pkt. 10c.

**COBAEA, scandens**. A half-hardy climbing annual with large leaves and large, bell-shaped flowers. The blossom is green until nearly grown, when it turns bright purplish blue. It is a native of Mexico and is desirable for covering a lattice or trellis. Grows 30 feet high. Pkt. 15c.

**CYPRESS VINE**—One of the most beautiful climbers. Fine, delicate cut foliage, dotted with small, scarlet, star-shaped flowers. For trellis work it cannot be surpassed. Mixed colors. Pkt. 10c.

**GOURDS**—A great variety of curiously formed and marked fruits. Vines are of rapid growth and, with luxuriant foliage adapted for covering screens, arbors, etc. Height 10 to 20 feet. Tender annual. All varieties mixed. Pkt. 10c.

—Dishcloth or Luffa. Inside lining resembles a sponge. Very useful. Pkt. 10c.

—Hercules' Club. The longest Gourd grown. Pkt. 10c.

—Nest-Egg. Resembles hen's egg. Pkt. 10c.

—Sugar Trough. Can be used for baskets or buckets. Pkt. 10c.

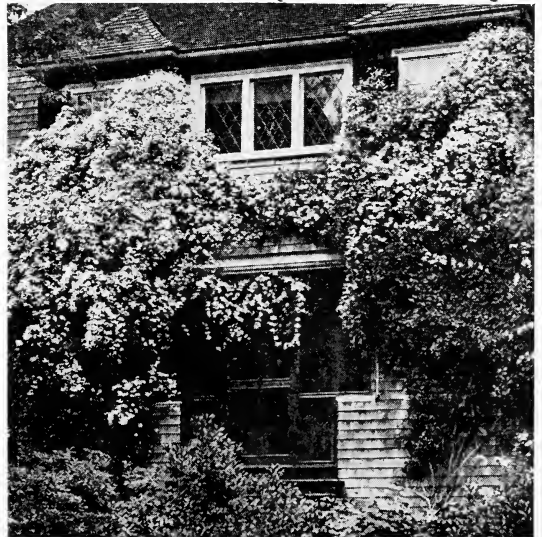
**HUMULUS** (Japanese Hop)—A rapid-growing hardy annual climber of easy culture. Very valuable for covering trellises, etc. Variegated leaves. Pkt. 10c.

**HYACINTH BEAN**—Splendid climber, with abundant, clustered spikes of purple-and-white flowers. It is of rapid growth, and often runs 20 feet in a season. Height 10 to 20 feet. Tender annual. Pkt. 10c.

**ICE PLANT**—Dwarf plant of trailing habit, finely adapted for vases, rockwork, etc. The surface of the foliage is covered with vesicles resembling crystals of ice, glistening in the sun, forming an attractive display. Height 6 inches. Pkt. 10c.

**KUDZU VINE** (Jack-and-the-Beanstalk)—Remarkable rapid-growing hardy, perennial. Grows slow at first but soon grows almost beyond belief. Nothing equals it for covering porches, arbors, old trees, etc. Pkt. 10c.

**MOON FLOWER**—The true Moonflower is the most vigorous of all the summer climbers. Will quickly grow to a height of 30 to 50 feet, has a dense mass of leaves, studded every night or cloudy day with hundreds of beautiful white and wax-like flowers 4 to 6 inches in diameter, and which fill the surrounding atmosphere with their fragrance. Tender annual. Pkt. 10c.



Antigonion Leptopus

**MOMORDICA**, charantia (Balsam Pear)—Climbing plant with ornamental foliage. Fruit golden yellow. When ripe the Pear opens showing the seed and its brilliant carmine interior. Annual. The fruit when placed in alcohol makes a very valuable first aid remedy in case of cuts, bruises, etc. Height 10 feet. Pkt. 10c.

**MORNING-GLORY**—No climber is more popular than the Morning-Glory for covering trellises or unsightly back fences, etc. Morning-Glory vines grow quickly to 15 feet long, and bear very abundantly brilliant flowers, funnel-shaped, of various colors, blue predominating. Soak the seed two hours in warm water to hasten germination. The plants require an abundance of water and oftentimes when planted early in the spring will not make a great deal of growth, but with the coming of the rainy season they spring up rapidly. Tall or climbing varieties. Pkt. 10c; oz. 25c.

—Imperial Japanese Morning Glory. Flowers of an immense size and of various colors. Vine is not so vigorous a climber as the above. Pkt. 10c; oz. 50c.

**PASSION FLOWER** (Passiflora)—A most interesting and well-known order of climbers, bearing singularly beautiful flowers. Half-hardy perennial, shedding its leaves in the winter. An immense grower, doing especially well in our higher altitudes. Pkt. 10c.

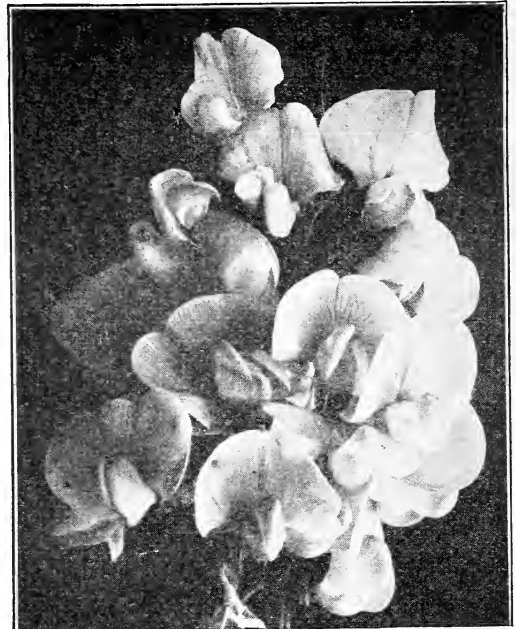
**PEAS, EVERLASTING**—Perennial. A hardy climber. Flowers resemble Sweet Peas, but are borne on strong stems, 8 to 10 flowers to the stem; not fragrant but showy; vines very thrifty and floriferous. Pkt. 10c.

**PORTULACA** (Rose Moss)—A low-growing or creeping tender annual 6 to 8 inches high, glossy, cup-shaped blossoms; very brilliant colors. Foliage and stems thick. Succeeds well in dry climate. Mixed, pkt. 10c.

**SMILAX**—A climbing plant with graceful, beautiful foliage. Height 10 feet. Tender perennial. Pkt. 10c.

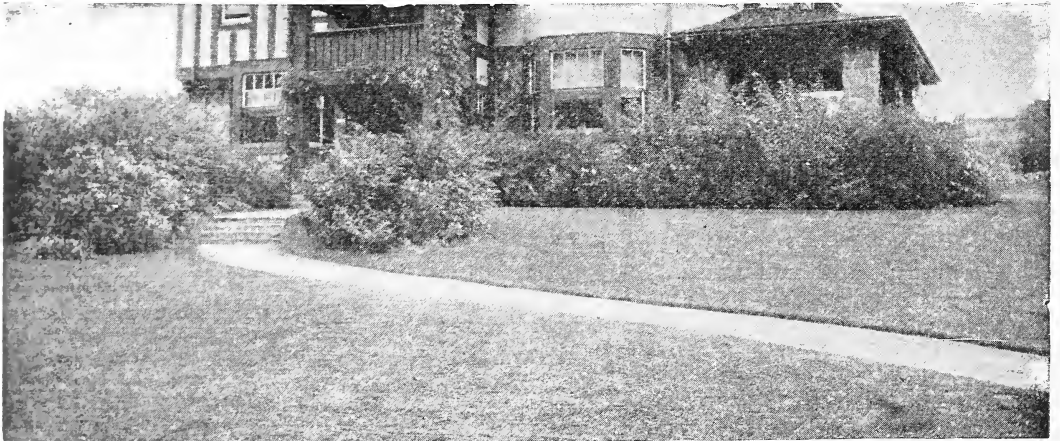
**THUNBERGIA** (Climbing Black-eyed Susan)—Trailing or climbing plant with flowers of various shades of yellow and white, having a dark center or eye. Height 4 feet. Mixed, pkt. 10c.

**WILD CUCUMBER**—Ornamental climbing cucumbers with curious fruit. Remarkable for its luxuriance and rapidity of growth. Fruit is edible. Height 15 feet. Half-hardy annual. Pkt. 10c.



Peas, Everlasting

**WISTARIA**—One of the quickest-growing climbers with fine, bright foliage and long clusters of dainty light purple flowers. Hardy perennial. Height 20 feet. Pkt. 10c.



## LANGERS LAWN SEED

**AUSTRALIAN or PERENNIAL RYE GRASS**—This is the ideal winter grass for Arizona and the Southwest. It is soft, velvety and hardy. It is at its best from September to June. Our imported Irish grass seed produces the best possible winter lawn. During the hardest freezing weather it remains green. A pound is required to plant 100 square feet. Prices, per pound, 30c; 10 lbs., \$2.50. By mail: Per lb., 35c; 10 lbs., \$3.00.

**DOMESTIC RYE GRASS**—Similar to above except seed is produced in Oregon. It is not quite as hardy as the above, turning slightly brown during the coldest weather. 1 lb., 15c; 10 lbs., \$1.40. By mail: 1 lb., 20c; 10 lbs., \$1.75.

**BERMUDA**—Bermuda is the hot weather grass and when once established is very difficult to eradicate. It requires sunny situations, the sunnier the better. It does not do at all well in the shade. Spreads very

rapidly and once established requires less attention than any other grass. One pound of seed to 300 square feet. Price, per pound, 50c, prepaid.

**KENTUCKY BLUE GRASS**—It is dark green and soft and velvety. In this section is usually used for shady places and when planted in the shade remains green the year round. If planted in sunny situations must have a good deep soil and an abundance of water to carry it through the summer months. One pound to 150 square feet. Price, per pound, 50c, postpaid.

**LANGERS DRY CLIMATE LAWN GRASS MIXTURE**—This contains the finest leaved grasses in the correct proportion for making a fine lawn which will look well winter and summer. One pound to 150 square feet. Price per pound, 75c, prepaid.

**WHITE CLOVER**—White Clover makes a satisfactory all year round lawn. It can be planted alone or mixed with Blue Grass. One pound of seed is required for 500 square feet. Price per pound, 75c, postpaid.

# LANGERS VEGETABLES

## ASPARAGUS

### ESPARBAGO

1 oz. to sixty feet of drill; 5 lbs. to the acre.

The seed should be soaked twenty-four hours before planting. Sow in beds in rows, covering about 1 inch. The following January transplant to furrows 4 feet apart. Set the roots a foot apart in the furrow, which should be 1 foot deep. Cover the roots with 2 or 3 inches of soil and on top of that put 3 or 4 inches of well-rotted manure thoroughly mixed with the soil. This is sufficient for the first season, and will produce a light crop the following April. After the sprouts become too small for cutting, allow them to grow full size and in November cut them close to the ground and burn them. Hill the soil over each row. Very little irrigation is required. For the garden it is best to secure one or two-year-old roots.

Roots, of all varieties, 50 cents per doz., \$2.00 per 100, 15.00 per 1,000, not prepaid.

**PALMETTO.** The most popular variety. Shoots are light green and tinted slightly with pink. Pkt. 10c; oz., 20c; ¼ lb., 35c; lb., \$1.00, postpaid.

**COLUMBIAN MAMMOTH WHITE.** A large thick variety, very white, even above ground. Pkt., 10c; oz., 20c; ¼ lb., 35c; lb., \$1.00, postpaid.

**BAER'S MAMMOTH**—Shoots large, tender, quick-growing and thick to the top. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb., \$1.00, postpaid.



Palmetto

## ARTICHOKE

### ALCACHOFA

The seeds may be sown at any time and transplanted when about 8 inches high. It will mature in eight months from planting the seed, though the proper season to bloom in Arizona is April. The plants should be set 4 feet apart in the field. The buds should not be allowed to flower, and they should be cut frequently. The oftener the buds are cut the more each plant will yield.

**LARGE GREEN GLOBE**—Most popular variety. Buds large, globular, deep green with a tint of purple at base. Pkt., 10c; oz., \$1.00; ¼ lb., \$3.50; lb., \$12.00, postpaid.

## BEANS

### FRIJOLE

1 lb. to 50 feet of drill; 50 lbs. to the acre.

Beans should be made a continuous crop, and may be planted from March to September 1. Plant the seeds 2 inches deep, one or two seeds every 4 inches in rows 24 inches apart. If the planting is done early in the spring and the soil is heavy, cold and wet, the seed should not be put down more than half an inch, as deep planting in cold, wet soil will cause the seed to rot. Shallow planting should always be done during the cool spring months. During the hot summer months plant in moist earth to a depth of 3 inches. In the spring and fall irrigate, if possible, in the morning, but not too soon after



Stringless Green Pod

planting. In the hot weather irrigate in the evening. Cultivate the soil as soon as it gets dry enough after each irrigation. Round-podded Beans should not be planted later than September as the cool nights have a tendency to blight them. Use the flat-podded varieties for planting at this time, as they are harder than the others. The earliest varieties are ready for the table in forty days.

**STRINGLESS GREEN-POD**—A valuable green-podded variety free from strings. Pods are round and long. A fine variety for early spring planting and a great favorite with Arizona market-gardeners. Pkt., 10c; lb. 35c; 10 lbs., \$3.00, prepaid.

**EARLY LONG YELLOW SIX WEEKS**—A long podded green variety. Plants strong and vigorous, producing flat edible pods 30 days after germination. Pkt. 10c; lb., 35c; 10 lbs., \$3.00, postpaid.

**EXTRA EARLY REFUGEE**—A very early green podded variety. Matures 40 days after germination. Pods medium-sized, round. One of the best varieties for summer planting. Pkt., 10c; lb., 35c; 10 lbs. \$3.00, postpaid.

**DAVIS WHITE WAX**—Sometimes known as Ventura Wonder Wax. Most hardy and productive wax podded variety. Pods are very long, flat and yellow. Very prolific. One of the best varieties for early fall planting. Pkt. 10c; lb. 35c; 10 lbs., \$3.00, postpaid.

**IMPROVED GOLDEN WAX**—Long, flat pod, rich flavor. Color golden. No better bean will be found for the garden than our Improved Golden Wax. Pkt., 10c; lb., 35c; 10 lbs., \$3.00, postpaid.

**PROLIFIC BLACK WAX**—An improvement on the old Black Wax or Butter Bean. Very vigorous and prolific. Pods fairly long, golden yellow and very brittle. Seed black. Pkt. 10c; lb., 35c; 10 lbs., \$3.00, postpaid.

**REFUGEE WAX**—A handsome round podded variety. Extremely productive, bearing long, fleshy, waxlike pods. Like the Refugee Green-Podded, it is one of the best varieties for summer planting. Pkt. 10c; lb. 35c; 10 lbs., \$3.00, postpaid.

## POLE OR RUNNING BEANS

These Beans require a pole or trellis to climb on when planted in the garden. They are usually very prolific and bear longer pods and a great many more of them than the bush varieties. They continue bearing long after the bush varieties have ceased. They should be planted in hills 3 to 4 feet apart each way.

**KENTUCKY WONDER, or OLD HOMESTEAD**—The best and most popular of pole varieties. Should be planted in every garden. Bears for long period. Pods

are very long, round, very fleshy and deeply creased. Green in color and stringless. This bean will give satisfaction to everyone. Pkt. 10c; lb. 35c; 10 lbs. \$3.00, postpaid.

**KENTUCKY WONDER WAX**—Pods are bright yellow in color, very thick, meaty, entirely stringless and deeply saddle-backed. The vine is thrifty and very prolific. Pkt., 10c; lb. 35c; 10 lbs. \$3.00, postpaid.

**LAZY WIFE**—A green-podded variety bearing good, long pods in clusters; stringless and of peculiarly fine flavor. Exceedingly prolific. Pkt. 10c; lb., 35c; 10 lbs. \$3.00, postpaid.

**WHITE-SEEDED KENTUCKY WONDER**—Is 10 days earlier than the old, well-known brown-seeded Kentucky Wonder; pods are straighter and smoother. It is more prolific as there are always four to six large pods to be found on a stem. Pkt., 10c; lb., 35c; 10 lbs. \$3.00, postpaid.

**SCARLET RUNNER**—The old-fashioned climber, having bright scarlet, pea-like flowers. It is not only ornamental but the pods when young are of fine quality for cooking. Pkt., 10c; oz. 20c; ¼ lb. 35c; lb. 75c, postpaid.

## LIMA BEANS

**BURPEE IMPROVED BUSH LIMA**—This Bean produces a fine crop of pods which measure from 5 to 6 inches long and 1¼ inches wide, with large, white Beans. Yields heavily, is of excellent flavor and 6 to 8 days earlier than any other variety. Pkt. 10c; lb. 35c; 10 lbs. \$3.00, postpaid.

**LARGE WHITE LIMA**—One of the best of the pole varieties. Should not be planted extensively in lower



Large White Lima

altitudes as it does not begin bearing until the hot weather is over. Pkt. 10c; lb. 35c; 10 lbs. \$3.00, postpaid.

## BROAD WINDSOR BEAN

(HABAS)

This variety of Bean differs greatly from others in its growth. It sends up one stalk and produces its pods on this, one at every leaf.

Grows in this locality all winter; frost does not hurt it. It is rapidly coming into favor as a table Bean, as it is quite delicious when properly prepared. Pkt. 10c; lb. 40c; 10 lbs. \$3.00, postpaid.

## CHOICE TABLE BEETS

(BETABEL O REMOLACHA)

One ounce to fifty feet of drill; 5 to 7 lbs. to the acre in drills.

Beets can be sown any month in the year. Plant in drills 18 inches apart. On account of the adobe character of a great deal of the soil in this section we advise that only the globe or turnip shaped varieties be planted. When the ground is dry, the long shaped varieties are difficult to pull without breaking the tops.

Early Turnip varieties are ready for use in 50 to 60 days after sowing seed.

All Varieties: Pkt., 10c; oz., 20c; ¼ lb., 35c; lb., 90c; 10 lbs., \$7.50, postpaid.

**EARLY BLOOD-RED TURNIP**—Turnip-shaped variety, with deep red flesh.

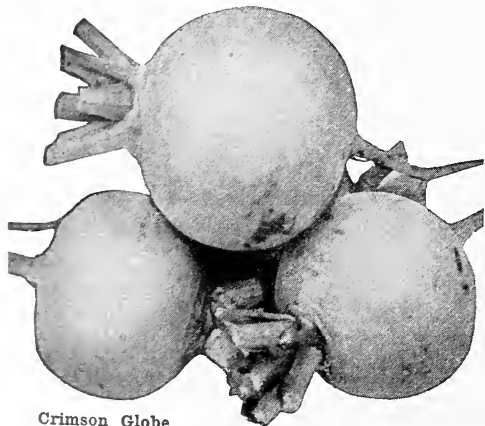
**EXTRA EARLY EGYPTIAN**—Turnip-shaped variety with dark red flesh; very early.

**CRIMSON GLOBE**—Extremely smooth and of a fine blood-red color. Makes a rapid growth and matures early. Is almost round in shape, and in quality is sweet and tender.

**CROSBY'S EGYPTIAN**—Medium size, small top, very early. Smooth, sweet and tender, and a deep crimson color. One of the best-known varieties. We have secured some especially fine seed of this variety and want you to be sure and include it in your order.

**EXTRA-EARLY ECLIPSE**—Fine early table variety, of tapering globe shape. Flesh deep crimson, zoned with pink.

**DETROIT DARK RED**—A good table variety, globe-shaped, with rich red flesh.



Crimson Globe

**HALF-LONG BLOOD**—Smooth, growing to good size. Color dark red; tops small; of upright growth. It is of excellent quality.

**LONG BLOOD**—A well-known long variety of table Beet. Recommended for planting in soils which do not bake.

**SWISS CHARD**—A foliage Beet used for greens. It is the best thing to grow for green food for poultry during the winter months. If cut above the crown, it will furnish a continuous cutting crop.

## FIELD BEETS

Sow from October to May, in well-cultivated, rich, deep soil, in drills twenty-four to thirty inches apart. Six pounds will sow an acre.

### MANGEL-WURZELS

All varieties: Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 60c, postpaid. 10 lbs. \$5.00, postpaid.

**GOLDEN TANKARD**—Rich yellow; giant; oval-shaped. Very nutritious.

**GIANT FEEDING SUGAR BEET, or HALF-SUGAR MANGEL-WURZEL**—Produces roots of enormous size.

**MAMMOTH LONG RED**—This is a particularly fine Mangel. The roots attain enormous size, and are smooth and regular in shape.

### SUGAR BEET

All varieties: Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 60c, 10 lbs. \$5.00 postpaid.

**LANE'S IMPERIAL SUGAR**—This Beet contains a large percentage of sugar. Highly recommended as a stock-feeding Beet.

**VILMORIN'S IMPROVED SUGAR**—Richer than any other variety in sugar, and very valuable for sugar factories. Grows entirely under the ground and yields good crops under ordinary conditions.

**KLEIN WANZLEBEN**—This variety of Sugar Beet is the best in cultivation. It is not the largest size, but is the richest in sugar. It is said that it will fatten hogs as quickly as grain.



Improved Half-Dwarf

**BRUSSELS SPROUTS****BERZA DE BRUSELAS**

Sow in September and October and treat same as cabbage. Matures in 140 to 150 days from seed.

**IMPROVED HALF-DWARF**—The standard variety Grows 2 to 3 feet high, and bears small, firm round sprouts. Pkt. 10c; oz. 35c; ¼ lb. \$1.25; lb. \$3.50, postpaid.

**BROCCOLI****(BROCCOLI)**

Practically a coarse cauliflower, more divided in the head; grows larger and taller, and is hardier and easier to grow. Should be treated the same.

**EARLY LARGE WHITE**—Best variety. Heads white and large. Pkt. 10c; oz. 50c; ¼ lb. \$1.00; lb. \$3.50, postpaid.

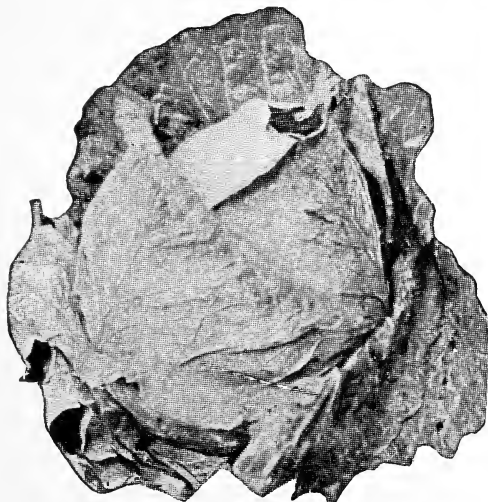
**PURPLE CAPE**—Good, large heads which are tinged with purple. Pkt. 10c; oz. 50c; ¼ lb. \$1.00; lb. \$3.50, postpaid.

**ITALIAN SPROUTING**—Sown in seed bed and transplanted the same as cauliflower. Sown usually from August to February. Cut the green clusters of buds before they develop into blossoms. After head is cut several sprouts develop, forming smaller head equal to the first. This vegetable is cooked and served in the same manner as asparagus. It is a great delicacy. Pkt., 15c; oz., \$1.00; ¼ lb., \$3.50; lb., \$10.00, postpaid.

**CABBAGE****(COL REPOLLO)**

One ounce will produce about two thousand plants; four ounces to the acre.

Ready for use in 100 to 150 days, according to varieties. There are three good seasons for sowing Cabbage seeds—in September, for late winter and early spring cabbage; in March, for summer and fall cabbage; in June and July, for winter Cabbages. Cabbage plants set out in the fall must be planted early enough



Early Winnigstadt

to allow them to head before cold weather sets in. Seeds should be sown broadcast in beds. Plants should be thinned out early so they will not become spindling. Transplanted to the field they should be put 18 inches apart in rows 2 feet apart. Cabbages require considerable moisture but too much water causes them to rot very readily.

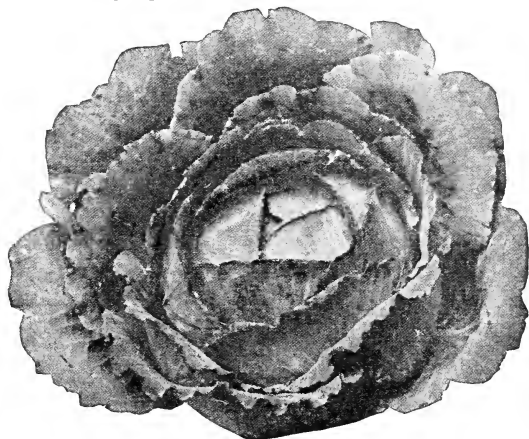
**EARLY VARIETIES**

**EARLY JERSEY WAKEFIELD**—One of the best and most popular early varieties. Succeeds well in the Southwest. Is very hardy. Heads very compact, solid and conical in shape. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$3.00, postpaid.

**COFENHAGEN MARKET**—An early variety of pure turquoise color with glistening white heart. No Cabbage of recent introduction has demonstrated greater superiority for all climates and all conditions than Copenhagen Market. The heads are solid and heavy, the stems short, and it matures early and evenly. The seed, if sown in June, will produce fine heads early in the fall. Large Cabbage-growers should give this Cabbage a trial. It is flat, hard and firm. Pkt., 10c; oz., 50c; ¼ lb., \$1.25; postpaid. Lb., \$4.50.

**EARLY WINNIGSTADT**—Pointed head of good size and fine quality; sure header. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$3.00, postpaid.

**EARLY FLAT DUTCH**—A good heat-resister. Head is flat, hard and firm. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$3.00, postpaid.



Copenhagen Market Cabbage

**LATE VARIETIES**

**DANISH BALLHEAD, or HOLLANDER**—This is a very late variety, forming globular heads, very hard and solid. In fact, it is the hardest heading variety known. Pkt. 10c; oz. 50c; ¼ lb. \$1.00; lb. 3.00, postpaid.

**PREMIUM LATE FLAT DUTCH**—Head round, solid, broad and flat on top. Is crisp and tender and well flavored. One of the best fall and winter varieties. A good keeper. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$3.50, postpaid.

**SURE HEAD**—Never fails to make a fine, solid, large head. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$2.50, ppd.

**EARLY DRUMHEAD**—Earliest of the late varieties. Round, flat, large heads. Pkt. 10c; oz. 40c; ¼ lb. \$1.00; lb. \$2.50, postpaid.

**MAMMOTH ROCK RED**—The best hard-headed red variety. Pkt. 10c; oz. 40c; ¼ lb. \$1.25; lb. \$4.00, postpaid.

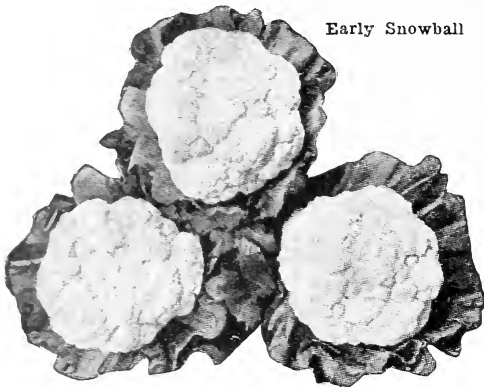
**PERFECTION DRUMHEAD SAVOY**—A variety that is much prized in Europe and also by those who are familiar with it in this country. It is very sweet and crisp, and always tender. Heads medium sized and fairly compact. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$2.50, postpaid.

**CHINESE CABBAGE**

**WONG BOCK**—We import this seed from China. The heads are crisp and tender and ideal for salad, also fine when cooked. Sown in September to January in rows 27 inches apart and thin the plant to 10 inches apart in the rows. Pkt., 10c; oz., 75c; ¼ lb., \$2.50; lb., \$7.50 postpaid.

**CHOKURE**—This variety is grown exclusively for greens for chicken feed. It grows much larger than the ordinary variety. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$4.00 postpaid.





Early Snowball

## CAULIFLOWER

One ounce of seed to two thousand plants; six ounces will plant an acre.

Prepare the soil as for cabbage. Seed may be sown from July to the following March. Cauliflower does not make a good summer crop and will not head up well in hot weather. When the plant is six or seven weeks old, transplant to the field, in rows 24 inches apart in the row. Cauliflower should be irrigated freely and kept growing constantly, as it may be injured by a check at any period of its growth and go to seed.

**EARLY SNOWBALL**—The best and most popular variety grown. Our seed is of the best imported stock. It will make uniformly fine heads, even under adverse conditions. Pkt., 15c; ¼ oz., 75c; oz., \$2.50; ¼ lb. \$8.00, postpaid.

**EARLY PARIS**—A hardy variety quite easy to grow, and forming good heads. Pkt., 10c; ¼ oz., 25c; oz., 75c; ¼ lb., \$2.25, postpaid.

**EXTRA EARLY DWARF ERFURT**—Remarkable for its extreme reliability in heading. Plants very dwarf with solid, pure white heads of superior quality. Pkt., 15c; ¼ oz., 75c; oz., \$2.50 postpaid.

**DRY WEATHER**—Well adapted to the arid regions of Southwest. Heads solid, pure white and of excellent quality. Pkt., 15c; ¼ oz., 75c; oz., \$2.50, prepaid.

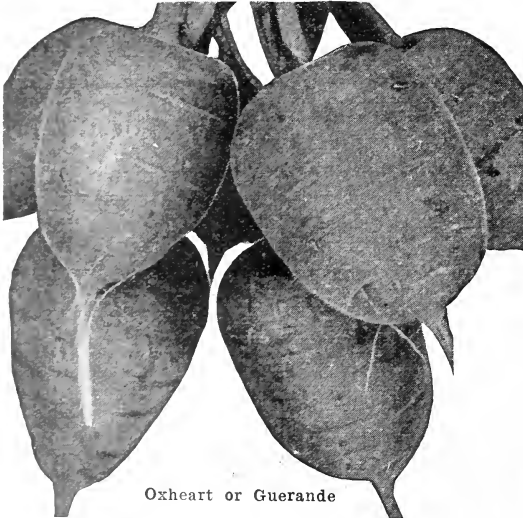
**VEITCH'S AUTUMN GIANT**—Large, late variety. Very hardy and especially desirable for hot and dry climates. Heads are well protected by the foliage, which enables it to resist unfavorable conditions to a greater degree than any other variety. Pkt. 10c; ¼ oz., 15c; oz., 50c; ¼ lb., \$1.50, postpaid.

## CARROTS

(ZANAHORIA)

One ounce to a row one hundred and fifty feet long; three pounds to the acre.

Can be sown any month in the year. Plant about half an inch deep in rows 18 inches apart, and thin to 3



Oxheart or Guerande

inches apart. Water freely. The shorter varieties give better results on heavy land. Ready for use in 95 to 120 days from seed, according to variety.

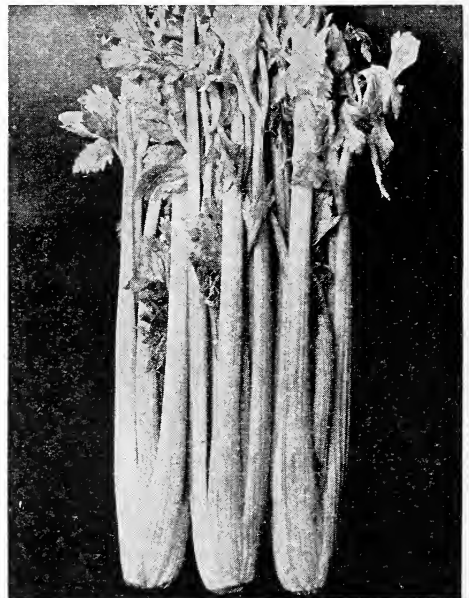
**VERY EARLY SCARLET FORCING, or FRENCH HORN**—Best variety for earliest forcing. Reddish orange-colored roots, nearly round. When matured they are about 2 inches in diameter. Pkt. 10c; oz. 20c; ¼ lb., 50c; lb., \$1.50; 5 lbs., \$6.75; 10 lbs., \$10.00 postpaid.

**OXHEART, or GUERANDE**—By far the most popular Carrot with the market-gardeners. Is a most beautiful shape, and of rich orange color. We recommend it above all others for this vicinity. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.25; 5 lbs., \$5.00; 10 lbs., \$9.00, postpaid.

**DANVERS HALF-LONG**—Good variety for general purposes. Color is bright orange-scarlet. Pkt. 10c; oz., 20c; ¼ lb., 50c; lb., \$1.25; 5 lbs., \$5.00; 10 lbs., \$9.00, postpaid.

**CHANTENAY**—Grows 5 or 6 inches long, is very tender and is of excellent flavor. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb., \$1.25; 5 lbs., \$5.00; 10 lbs., \$9.00, postpaid.

**LONG ORANGE**—Does very well if you have light sandy soil. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.25, 5 lbs., \$5.00; 10 lbs., \$9.00, postpaid.



Golden Self Blanching Celery

**LARGE WHITE BELGIAN**—Grows one-third out of the ground, and is raised exclusively for stock. Pkt. 10c; oz. 20c; ¼ lb. 25c; lb. 75c, postpaid.

**SHORT WHITE**—Roots half-long, smooth, very heavy at the shoulder. Color light green above the ground, white below. Flesh rich white, solid and crisp and of excellent flavor. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. 75c, postpaid.

## CELERY

(APIO)

One ounce to three thousand plants or two hundred feet of drill.

Sow the seed from January 1 to July 1, in drills 6 inches apart, not too thick in the row, to secure stalky plants. In June, when the plants are strong, transplant to furrows 4 feet apart and 6 inches deep. Set the plants 6 inches apart in the furrows. As the plant grows, fill the earth toward the plant to secure proper blanching. Never allow dirt to rest in the heart of the plant. Never work in celery when it is wet with rain.

Ready for table in 160 to 170 days from seed.

**GIANT PASCAL**—The most popular of the newer green winter varieties. Rather tall, with stems nearly round. When blanched is white, brittle and of especially good flavor. Pkt., 10c; oz., 20c; ¼ lb. 75c; \$2.00, postpaid.

**WHITE PLUME**—Used mostly for a very early crop. Comparatively easy variety to grow, as it is fairly hardy, and being naturally white is very easy to blanch. Forms a good, medium-sized bunch. Is of excellent flavor. Pkt., 10c; oz., 20c; ¼ lb., 75c; lb., \$2.00, postpaid.

**GOLDEN SELF-BLANCHING**—French-grown. This is the most popular market variety in use especially for early crop. The plant is naturally golden yellow, but needs to be blanched to make it tender and brittle. Forms a rather small bunch. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$4.00, postpaid.

**DWARF GOLDEN HEART**—Rather tall, forming a large bunch. Blanches white and is a good shipper. Heart golden color. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.25, postpaid.

**CELERIAC**

(TURNIP-ROOTED CELERY)

Grown for its edible root, which is similar in appearance to a turnip. Not used for greens. Pkt., 10c; oz., 50c, postpaid

**CORN SALAD**

(MACHA, VALERIANILLA)

Requires same care as lettuce and is put to same uses Also cooked as substitute for spinach.

**BROAD-LEAVED**—Pkt., 10c; oz., 25c; ¼ lb., 75c; lb. \$2.50, postpaid.

**SUGAR OR SWEET CORN**

(MAIZE DULCE)

One pound to 150 hills; 15 lbs. to the acre.

Plant any time from April to August. July, just at the start of the rainy season, is one of the best months to plant. Should be planted in rows about 3 feet apart and 12 inches apart in the row. Intensive cultivation at all times is necessary. Cultivate after each irrigation until the corn shades the ground. Irrigate every two weeks until in the milk, then once or twice a week. This will produce a solid, tight husk which will prevent worms from doing damage. While the selection of varieties is limited to a few, Sweet Corn proves a most desirable crop to the grower. First ears can be picked in from 55 to 85 days.



Improved Long Green

**COUNTRY GENTLEMAN**—Has a long white cob of closely filled "shoe-peg" kernels; is sweet and tender. Pkt. 10c; lb. 35c; 10 lbs. \$3.00, prepaid.

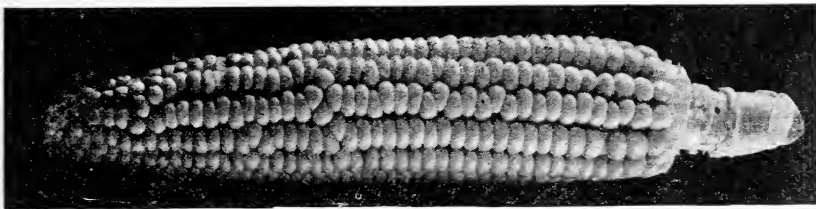
**POP CORN**

**WHITE RICE**—Most popular variety, very prolific. Ears short; kernels long resembling rice in shape. Color white. Pkt. 10c; lb. 30c; 10 lbs. \$2.50, prepaid.

**ROASTING EAR CORN**

**HICKORY KING**—Produces very large wide grains on an extremely small cob. Ears from 8-10 in. in length. Makes excellent roasting ears and is much used in place of Sugar Corn. Lb. 25c; 10 lbs. \$2.00.

**MEXICAN JUNE**—Produces large tapering ears with from 14 to 20 rows of pure white kernels. Bothered less by the corn worm than any other variety. Highly prized as a roasting ear corn. Lb. 25c; 10 lb. \$2.00.



White Rice Pop Corn

**GOLDEN BANTAM**—Very early, dwarf in habit and a good yielder. Creamy yellow grains, very fine flavor. Pkt. 10c; lb. 35c; 10 lbs. \$3.00, prepaid. Write for prices in larger quantities.

**PAPAGO**—This variety is the only Sweet Corn which can be counted on for a sure crop in a dry, hot climate. The ears are well filled and of excellent flavor, making it unexcelled for a table Corn. Each kernel of seed will produce from six to eight stalks which grow to a height of from 7 to 8 feet, and each stalk will produce one or two ears. It is also unexcelled as an ensilage Corn. The stalks are juicy and sweet and are greedily devoured by all kinds of stock. Grown for ensilage will produce from twenty-five to thirty tons of silage to the acre. As Papago is a native of Arizona, it readily withstands drought and makes a crop where other varieties would fail absolutely. It is extremely hardy and well able to withstand the attacks of all insects. Pkt. 10c; lb. 35c; 10 lbs. \$3.00, prepaid. Not prepaid, 25 lb., \$6.25; 100 lbs., \$20.00.

after planting. The dried corn is used a great deal for making tamales. Lb. 25c; 10 lb., \$2.00.

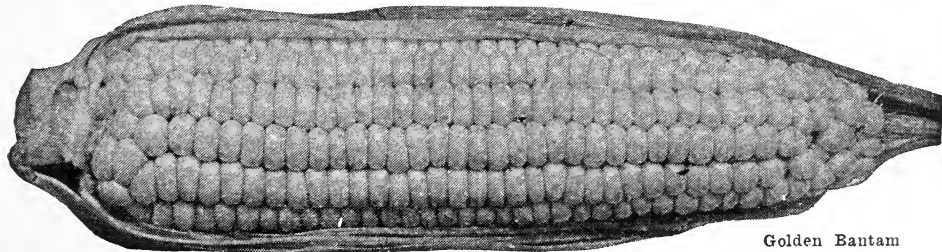
**CUCUMBERS**

(PEPINO)

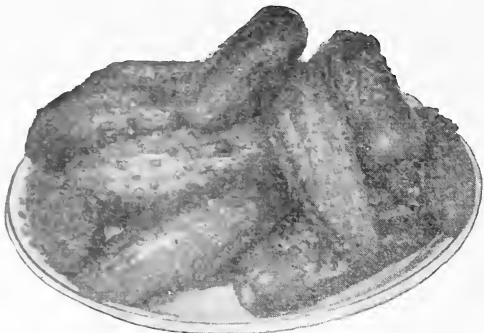
Cucumbers are very profitable crops as they are very prolific. With favorable weather they can be had ready for use about June 1, and if kept healthy and closely picked, they will produce abundantly until fall.

Two or three pounds are required to plant an acre. Plant from March to September in hills 4 to 6 feet apart, eight to ten seeds in a hill. Cover ½ inch deep. When danger of insects is past, thin out the plants, leaving five or six of the strongest in each hill. Cucumbers are ready for the table in six weeks from planting seed.

**EARLY SHORT GREEN** or **EARLY FRAME**—A very desirable variety either for pickling or table use. Fruit straight, small at each end, bright green. Pkt. 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50, postpaid.



Golden Bantam



Boston Pickling

**DAVIS PERFECT**—The fruits are very symmetrical, and exceptionally fine flavor. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  8 to 10 inches in length; dark, glossy green, tender lb., 75c; lb., \$2.00, postpaid.

**LANGERS IMPROVED WHITE SPINE**—This is the best Cucumber for table use. Vines vigorous, fruiting early and abundantly. Fruit uniformly straight and handsome, green with a few white spines. Flesh tender and of excellent flavor. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.00, postpaid.

**IMPROVED LONG GREEN**—Mature fruit 12 inches long; skin deep green; flesh solid, crisp, of fine quality. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.00, postpaid.

**BOSTON PICKLING**—This is a very popular variety for pickling. Medium long and great producer. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 50c; lb. \$1.50, postpaid.

**JAPANESE CLIMBING**—This variety is a great climber. Is a good variety for training to a trellis. Fruit is long, and the flesh is white and crisp and of good flavor. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 50c; lb. \$1.50, postpaid.

**LEMON**—A new variety the color of a lemon when ready to use, and similar in shape but less pointed at the ends. Produces about four times as much fruit as any other variety. Flavor delicious; no bitter taste as is sometimes found in other Cucumbers. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb., \$2.00 postpaid.

**WEST INDIA GHERKIN**—Will climb on a trellis. Oval shaped, prickly; for pickling only. Pkt., 10c; oz. 25c;  $\frac{1}{4}$  lb. 90c, prepaid.

## CHICORY

(ACHICORIA)

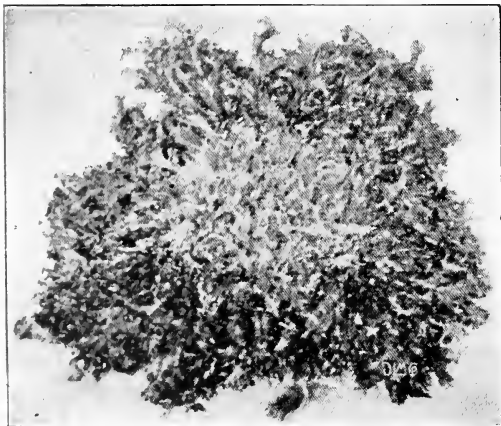
Used as a substitute for coffee when the roots are dried and ground. Sow early in the spring and keep well watered. Perennial.

**LARGE-ROOTED**—Large rooted and best variety. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb. \$2.50, postpaid.

## COLLARDS

(COL)

**GEORGIA SOUTHERN** or **CREOLE**—The well known large variety. Is a species of cabbage, with a similar flavor. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb. \$2.00, postpaid.



Green Curled Endive

## EGG PLANT

(BERENGENA)

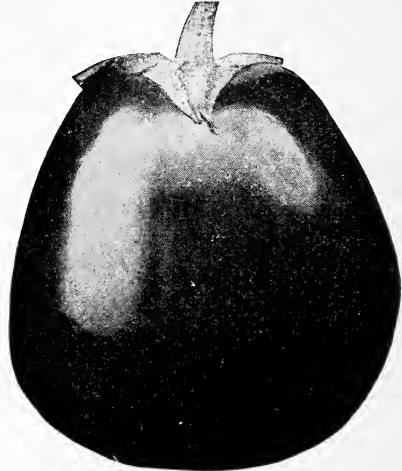
One ounce to 1,000 plants.

Eggplant seed germinates slowly and should be started in a hotbed. The soil should be one part leafmold and one part sandy-loam. It is important to secure a rapid and continuous growth. Set 30 inches apart. Pinch off the larger leaves when transplanting.

Ready for use from 145 to 160 days.

**IMPROVED NEW YORK PURPLE SPINELESS**—Standard for home and market. Fruit very large, productive, and of the highest quality. Pkt. 10c; oz., 75c;  $\frac{1}{4}$  lb., \$2.50; lb., \$7.50, postpaid.

**BLACK BEAUTY**—Rich purple black in color and a fine marketing variety. It is early and also makes a fine sort for home gardens. Pkt., 10c; oz., 75c;  $\frac{1}{4}$  lb., \$2.50; lb., \$7.50, postpaid.



Black Beauty Egg Plant

## ENDIVE

(ESCAROLA O ENDIVIA)

Sow and cultivate the same as lettuce. Ready for use in 45 to 50 days from seed.

**GREEN CURLED**—One of the best varieties for the home and market-gardener. Pkt. 10c; oz., 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.00, postpaid.

**BROAD-LEAVED**—Forms large heads of broad, thick leaves, which can be blanched for a salad or will make excellent cooked greens, as well as being useful to flavor soups, stews, etc. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.25, postpaid.

## KOHLRABI, TURNIP-ROOTED CABBAGE

(COLINABO)

One ounce of seed will produce 2,000 plants.

Same culture as cabbage.

**EARLY WHITE VIENNA**—Earliest and best. Flesh white and tender. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.50, postpaid.

## KALE

(BRETON BERZA)

One ounce to 100 feet of drill.

Seed should be sown thinly in drills about the middle of June for the tall sorts; transplant the young plants 12 inches apart in rows 3 feet apart. Later in the season the dwarf sorts may be sown rather thickly in drills to furnish small head to be cooked like spinach during the winter months. It is hardy and will withstand frost and snow.

**DWARF CURLED**—The most popular Kale for general use. Leaves are bright green. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.00, postpaid.

**JERSEY, or THOUSAND HEADED**—A tall variety with smooth leaves, especially used for feeding chickens. Furnishes lots of green feed in the winter months. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.00 postpaid.

**TALL GREEN CURLED SCOTCH**—This makes a beautiful plant about 2½ feet tall. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.00, postpaid.



**LEEK**

(PUERRO)

One ounce to 100 feet of drill.

Sow any time in rows 1 foot apart. Thin plants to 10 inches.

**LONDON FLAG**—A large strong plant; very hardy. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.00, postpaid.

**HERBS**

	Pkt.	Oz.
Anise	\$.10	\$0.25
Balm	.10	.50
Basil, Sweet	.10	.50
Caraway	.10	.25
Catnip	.10	1.00
Coriander	.10	.25
Dill	.10	.25
Fennel, Sweet	.10	.25
Horehound	.10	.35
Hysop	.10	.50
Lavender	.10	.50
Marjoram, Sweet	.10	.50
Rosemary	.10	.50
Saffron	.10	.25
Sage	.10	.35
Savory, Summer	.10	.50
Savory, Winter	.10	.50
Tansy	.10	1.00
Thyme	.10	1.00
Wormwood	.10	.50

**LETTUCE**

(LECHUGA)

One ounce makes 3,000 plants; 3 lbs. to the acre.

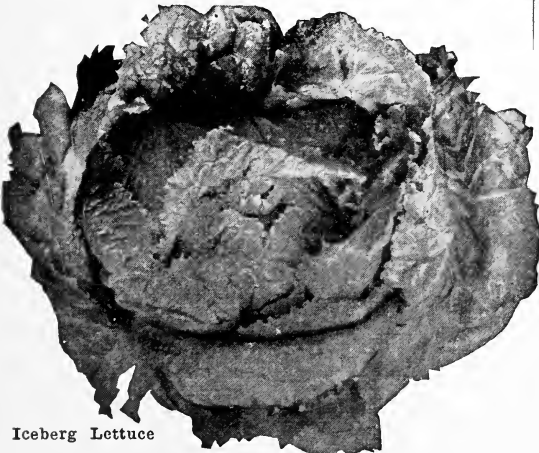
Lettuce can be sown all the year round. For winter heading, sow in August or September. This will allow plenty of time for heads to form before cold weather. Plants should be grown rapidly to get best results. It should be planted in a rich, loamy soil in double rows on ridges about 12 inches apart, 10 inches apart in the row. Requires about two and one-half months from seed to maturity. Smooth leaved varieties seem to head the best during the summer months. Irrigate not less than once a week and very much oftener during the dry summer months. Be sure to cultivate after each irrigation.

**BIG BOSTON**—Popular market variety. A smooth-leaved, light green, cabbage variety, slightly tinged with brown in the head. Has a particularly fine, golden, buttery head. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50, 5 lbs., \$6.25 postpaid.

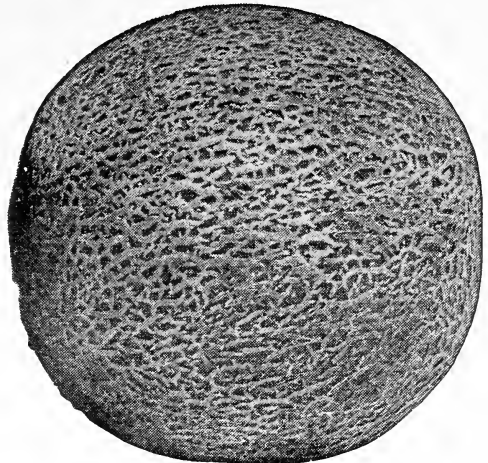
**CALIFORNIA CREAM BUTTER**—A fine smooth-leaved summer variety. Forms a very large, rich golden yellow inside. Easy to grow and a good shipping variety. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50, postpaid.

**CHICKEN LETTUCE**—Grows very much like Kale, is used mainly for chicken and rabbit feeding. It does not head and is seldom used for table purposes. Pkt. 10c; oz. 25c; ¼ lb. 50c; lb. \$1.50, postpaid.

**EARLY PRIZE HEAD**—Large loose-headed sort. Color bright green tinged with brownish red. Very hardy. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50, ppd.



Iceberg Lettuce



Eden Gem

**EARLY CURLED SIMPSON**—Loose-leaved variety. It is crisp and tender, light green in color, and easy to grow. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50, postpaid.

**ICEBERG**—Large curly leaves of bright, light green with a very slight reddish tinge at the edges. Of a delicious flavor. This is the best of the curled-leaved heading varieties for a summer crop. Pkt. 10c; oz., 25c; ¼ lb. 65c; lb. \$2.00; 5 lbs., \$8.75 postpaid.

**LANGERS FANCY NEW YORK, or LOS ANGELES**—By far the most profitable lettuce grown. Exclusively used by the best hotels. Heads hardy, uniform size, tight, wavy leaved, blanching almost white. Crisp and of excellent flavor. We recommend this highly for market gardeners in the southwest. Pkt., 10c; oz. 35c; ¼ lb., \$1.00; lb., \$3.00; 5 lbs., \$12.50 postpaid.

**MUSKMELON OR CANTALOUPE**

(MELONE)

Two to three lbs. to the acre; 1 oz. of seed to 100 hills. Cantaloupes do best in light, rich, sandy soil. Can be planted from March to July. Plant at the side of a furrowed out row, 6 to 8 feet apart, eight to ten seeds in a hill. Cover about 1 inch deep. When the plants begin to vine thin out to three or four of the strongest in the hill. Before plants are up, ashes or tobacco dust scattered on the ground over seed will keep insects away from the young plants. In sections where gophers and birds are troublesome it is advisable to scatter "Gopher-go" around liberally. Melons should never be planted two years in succession on the same land, and as different varieties mix readily the first year, care should be taken to have different varieties separated in the fields. The pollen carries a great distance. Melons planted July 15 for late crop will prove to be much more profitable than the midsummer crop, though during the rainy season the aphid will be found more troublesome than on the earlier plantings. However, these can be easily controlled by spraying the vines and the cost per acre will be very slight. The vines should be examined closely for aphid. At their very first appearance spray with a nicotine solution, being careful to get the spray on the under side of the leaves.

Earliest varieties ready in 90 to 100 days from sowing; general crop requires 115 to 140 days.

**BURRELL'S GEM**—Has a tough, thin rind; shape is quite elongated; meat reddish orange, very thick, fine-grained and spicy. Vines very vigorous. Pkt. 10c; oz. 25c; ¼ lb. 50c; lb. \$1.50, postpaid.

**LANGERS HAND SELECTED EDEN GEM**—We do not hesitate to place this at the head of our list of Rocky Ford Cantaloupes. It is one of the most delicious we ever tasted. Flesh varies from green to golden yellow, is solid and fine grained. Nearly round, with no ribs and heavily netted. Earliest of the solid net type and rust resistant. Pkt. 15c; oz. 35c; ¼ lb. \$1.00; lb. \$3.50; 5 lbs., \$15.00; 10 lbs., \$25.00.

**EDEN GEM**—Fancy Commercial grade seed. Pkt. 10c; oz. 20c; ¼ lb., 50c; lb., \$1.50.

**HONEY BALL**—Is very prolific, a little larger than Rocky Ford, with flesh like Honey Dew. Melons are uniform in size and show considerable netting. Honey ball matures early, or in about 105 days from planting the seed. It is a cross between the California Honey Dew Cassaba and the Texas Cannon Ball. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.00.

**HONEY DEW**—The flesh of this melon is light green and sweet as honey. The rind is perfectly smooth and as hard as a winter squash. It will keep for months, but is also good right off the vine. Is ready to pull when the color shows the slightest tendency towards yellow, and ready to eat in a few days when it becomes slightly soft. Average size is about as large as a coconut. The yield is enormous and the quality cannot be surpassed, making it the ideal melon for market. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.50, postpaid.

**HONEY DEW—PINK MEATED**—This is a Honey Dew melon in every respect, except in color of the flesh and in flavor. The flesh is Salmon tint to the rind. It has a rich, spicy flavor, which is entirely different from the flavor of the Honey Dew. In size it will average smaller than the Honey Dew, and it matures several days earlier. Pkt. 10c; oz., 40c;  $\frac{1}{4}$  lb. 75c; lb. \$2.50, postpaid.

**HALE'S BEST**—An extra early salmon tint of remarkable flavor. The seed cavity is small and the attractive salmon tinted flesh is firm. Melons are oblong, well netted and very attractive. It is ten days to two weeks earlier than other shipping varieties and yields wonderfully well. Pkt. 10c; oz., 20c;  $\frac{1}{4}$  lb., 65c; lb., \$2.00, postpaid.



Perfecto

**PERFECTO**—Langers Hand Selected Seed. A new type of the Rocky Ford; meat orange color; seed cavity very small; excellent flavor, heavily netted, no ribs; keeping and shipping qualities excellent. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; lb. \$3.00; 5 lbs., \$12.50; 10 lbs. \$22.50, postpaid.

**EARLY WATERS**—Fancy commercial grade. Seed pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 50c; lb. \$1.50, postpaid.

**LANGERS HAND SELECTED NETTED ROCK**—This is the most popular of the Rocky Ford Cantaloupes of the solid-net types. Flesh is green, tinted with a delicate salmon-pink around the seed-cavity. Flesh is firm, sweet, luscious, melting and of delicious flavor. It has by far the smallest seed-cavity of any strain of the Rocky Ford. One of the best varieties. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; lb. \$3.50; 5 lbs., \$15.00; 10 lbs. \$25.00, postpaid.

**NETTED ROCK**—Fancy Commercial grade seed. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 50c; lb. \$1.50, postpaid.

**PINK MEATED NETTED ROCK**—An extra-early, standard size, well-netted melon with small cavity. A splendid shipper. Flesh of dark pink or salmon color through to rind. Is of delicious flavor. Is a heavy yielder, tops the market over all other varieties. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.50, postpaid.

**POLLOCK 10-25**—Langers Hand Selected Seed. Latest improved strain of the Rocky Ford. Excellent flavor. Good shipping qualities. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; lb. \$3.50, postpaid.



Pollock 10-25

### MUSKMELON

**MUSKMELON, ARMENIAN OR PERSIAN**—This variety has become very popular wherever introduced. For home use and near-by markets it cannot be excelled. It is a large melon running from 8 to 10 inches in diameter. Almost round without ridges, color a bright orange, covered with a coarse open netting. Thick yellow flesh of delightful flavor distinctly different from that of most muskmelons. Should be picked while firm, but not eaten until rind will give under pressure. When properly ripened they are preferred by many to any other variety of Muskmelon. Pkt. 10c; oz. 50c;  $\frac{1}{4}$  lb. \$1.75; lb. \$6.00.

**BANANA**—Long, slender, banana-like fruit; skin creamy white and entirely free from netting; flesh deep salmon color, thick and of good quality. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 50c; lb. \$1.75, postpaid.

**TIPTOP**—In Southern California, this variety is very popular, almost to the exclusion of all others. The flesh is sweet, juicy, delicious and very firm. It ranges in size from medium to large and is round in shape. It will take well at the market, as it is very attractive in appearance. We consider it the best of the yellow-fleshed varieties. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.00, postpaid.

**HACKENSACK**—Large, round, flattened at both ends. Very productive, and is of a most delicate flavor. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 50c; lb. \$1.50, postpaid.

**PEACH MELON, or GARDEN LEMON**—The fruit is about the size of a large peach, oval-shaped, and of a bright orange-yellow, somewhat russeted. When it first ripens it is quite hard and has very little flavor but soon becomes mellow, not sweet, and has a rich flavor. Superb for sweet pickles, pies or preserving. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 50c; lb. \$1.50, postpaid.

**PINEAPPLE**—Large size, early green flesh and rich in flavor. Oval shape. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 50c; lb. \$1.60, postpaid.



Tiptop

**CASSABA, OR WINTER MUSKMELON**

A late variety of Muskmelon which was introduced in southern California several years ago. They are becoming favorably known and are very popular. They should be planted late in the summer; otherwise treated and cultivated the same as watermelon and cantaloupe, but should not be allowed to ripen on the vine. Should be picked about the time of the first frost and carefully packed away in a cool place until they become slightly soft, when they are ready to eat. For shipping, they should be shipped before softening. We believe that every farmer should try this melon.

**IMPROVED HYBRID**—Finest-flavored and best of the Cassaba family. Favorite for home garden and local market. Color dark green, flesh from 2 to 3 inches in thickness, color creamy white, melting and delicious. Pkt. 10c; oz. 25c; ¼ lb. 80c; lb. \$3.00, postpaid.

**SANTA CLAUS**—An oblong, mottled melon and a good shipper. The rind is very hard. Flesh light green and stringless. Flavor excellent. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50, postpaid.

**GOLDEN BEAUTY**—One of the finest-flavored Cassabas. An excellent keeper and favorite shipper. Color is beautiful gold. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50, postpaid.

**WINTER PINEAPPLE**—Color when mature is light green. Has excellent shipping qualities and is of delicious flavor. Is almost round in shape. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50, postpaid.

**CITRON**

**RED-SEEDED**—Round melon, striped and marbled with light green. Use for preserving. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.25.

**GREEN-SEEDED**—Large variety, used for stock feed. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.25.

**WATERMELONS****(SANDIA)**

One ounce to 30 hills; 2 to 3 lbs. to the acre. Write for special prices on larger quantities of Watermelon Seed.

Culture is the same as for muskmelons, except they should be planted 8 to 10 feet apart. Watermelons must be intensely cultivated after each irrigation. Proper irrigation and cultivation are absolutely essential to a good crop of well-shaped melons.

Ready in 90 to 140 days from seed.

**ANGELENO**—An excellent melon for the home-garden and local market. Rind is very thin, the bright red flesh coming almost to the surface. Heart is solid, extremely large and of excellent flavor. Is big producer, oval-shaped and dark green in color. Should be picked only when green, shaded to gold. The seed of this variety should always be soaked in water for a few hours before planting. Pkt. 10c; oz. 20c; ¼ lb. 75c; lb. \$2.00; 5 lbs. \$8.75; 10 lbs., \$15.00 postpaid. We can furnish these in either black or white seeded.

**CHILIAN, BLACK-SEEDED**—A trifle earlier than the white-seeded variety, does not average so large. Flesh is brilliant red, very sweet, and in this country inclined to be a little coarse and stringy, in which it is inferior to the white-seeded melon. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. \$1.00, postpaid.

**CHILIAN, WHITE-SEEDED**—A very brittle thin-skinned variety of the highest quality. It is a great favorite on the Arizona markets. Grows to medium size, and is slightly oblong. Skin is deep green, striped with

still deeper green. Flesh is bright red, juicy and very sweet. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. \$1.00, postpaid.

**LANGERS IMPROVED KLECKLEY SWEET**—Without doubt the best Watermelon grown. A great favorite for the home-garden, and unexcelled for market. It averages about 25 pounds in weight, is oblong in shape, with very dark green skin. Flesh deep scarlet, with solid heart, and stringless and very sweet. We have dry-climate-grown, very high-grade seed of this variety. Pkt. 10c; oz. 20c; ¼ lb. 75c; lb. \$2.00; 5 lbs., \$8.75; 10 lbs. \$15.00 postpaid.

**FLORIDA FAVORITE**—One of the earliest and a good shipper. In appearance it is similar to the Georgia Rattlesnake, except it is much darker. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. 75c, postpaid.

**GEORGIA RATTLESNAKE**—One of the oldest and most popular sorts. A large, oblong variety with decided stripes of light and deep green. Rind is tough, but flesh is of good quality and bright red. It is a good shipper and easily grown. Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. 75c, postpaid.

**KLONDIKE**—This variety has stepped up to front place in popularity with both the consumers and the growers. It is wonderful for either the local market or shipping. Meat is a rich, bright red; thin rind; dark green. Melon is oblong in shape. The seed is very small. Pkt. 10c; oz., 25c; ¼ pound 75c; Lb. \$2.00; 5 lb. \$8.75; 10 lb., \$15.00 postpaid.

**IRISH GRAY**—An elongated variety, the shape of Kleckley Sweet, colored greenish-gray. Tough rind. Excellent shipping. Meat is bright red. Pkt. 10c; oz., 20c; ¼ lb. 50c; lb., \$1.50; 5 lb. \$6.25; 10 lb., \$11.00 postpaid.

**TOM WATSON**—This is an exceedingly popular melon throughout the South, and has proved to be one of the best for Arizona, especially for late planting. Fruit is large, dark green in color, slightly mottled. It is oblong and uniform in shape. Has no ends or necks to rot. Rind is exceedingly tough, making it the best shipper. Flesh deep red and very sweet. Vines are vigorous and very prolific. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. \$1.00, postpaid.

**SWEETHEART, BLACK-SEEDED**—Fruit large, oval, uniformly mottled light and dark green. Fruit remains in condition for use longer than any other sort. Pkt. 10c; oz. 25c; ¼ lb. 35c; lb. 75c, postpaid.

**MUSTARD****(MOSTAZA)**

One ounce to fifty feet of drill.

**CHINESE**—A very hardy, broad-leaved variety. Leaves are thick and deeply savoyed with broad, white mid-ribs. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.00, postpaid.

**GIANT SOUTHERN CURLED**—Large; forms a great mass of beautiful leaves, ruffled and finely curled at edges. Hardy, vigorous. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.00, postpaid.

**OSTRICH-PLUME**—Leaves are long, ruffled and gracefully curved. Stands heat better than any other. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. \$1.00, postpaid.

**WHITE ENGLISH**—Light green, tender leaves; seed light yellow. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.00, postpaid.

**OKRA-GUMBO****(QUIMBOMBO)**

One ounce to fifty feet of drill.

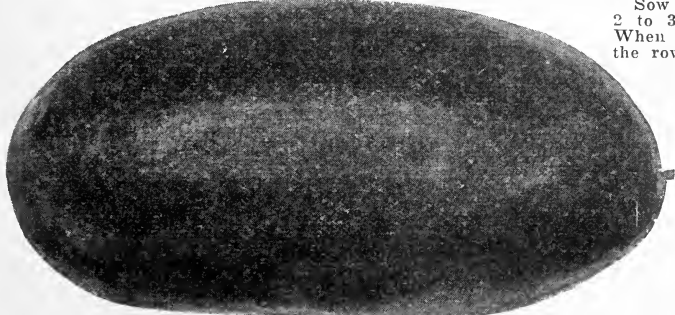
Sow in the spring, after soil is warm, in rows 2 to 3 feet apart, putting seed down 2 inches. When well up thin to 8 to 10 inches apart in the row. Hoe soil up against stem of the plant.

Ready for table in from 90 to 105 days from seed.

**WHITE VELVET**—Bears an abundance of long, smooth, white pods which are very tender. Comparatively dwarf. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50, postpaid.

**PERKINS MAMMOTH LONG-POD**—Dwarf-growing very early, prolific; deep green and of fine quality. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50, postpaid.

**DWARF GREEN**—Early; prolific, thick pods. Pkt. 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50, postpaid.



Kleckley Sweet

Australain Brown



## ONIONS

(CEBOLLA)

One ounce of seed to one hundred feet of drill; four pounds to the acre.

Onions, unlike most vegetables, succeed well when cultivated on the same ground for successive years. For early spring crops the seed is usually sown in August or September in this vicinity. Sow in beds and transplant, any time after the Onions are as large as straws, to 3 or 4 inches apart in rows. Best time for transplanting is January. When this system of transplanting is used, about two pounds of seed will furnish plants enough for an acre. When the seed is planted directly in the fields, sow in rows 12 to 16 inches apart, sowing the seed thinly and covering thinly. When the plants are of good size, thin to 3 or 4 inches apart in the row. Onions will always keep better if, when irrigating, water is never allowed to touch the plants. Steady growth whether from disease or drought, causes them to run to seed badly. Planting the seed too early in the fall will also cause them to run to seed. An average crop of Onions runs from fifteen to twenty thousand pounds to the acre. When the bulbs are matured the tops die down. Onions do not keep so well if the tops are rolled or planked down while still green. It requires about two full weeks to properly mature onions after they are pulled, and it is best not to top and sack until ready to ship to market. If they are to be kept for any length of time, they should never be sacked, but should be put under cover on the floor or in a bin with abundance circulation of air and be kept absolutely dry.

Ready for green Onions 60 days from seed.

**AUSTRALIAN BROWN**—An early and very hardy variety, which does especially well in the Southwest. The skin is thick and the color is a rich brown. It is especially noted as a long keeper. A popular Onion for spring planting. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; lb. \$2.50, postpaid.

**CRYSTAL WHITE WAX**—A pure white variety of the Bermuda type. Teneriffe-grown. Shape is flat. Flavor is mild and sweet. The beautiful clear white Onion seen in our markets in crates early in the spring is this variety. It is not a good keeper and should be marketed as soon as harvested, or placed in well ventilated bins and not piled too deep. Pkt. 10c; oz. 50c;  $\frac{1}{4}$  lb. \$1.50; lb., \$4.50, postpaid.

**PRIZETAKER**—Very large, globe-shaped variety with a light yellow skin and white fine-grained flesh of mild flavor. A good-keeping Onion and very popular as a market variety. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; lb. \$2.50, postpaid.

**RED WETHERSFIELD**—The best-known and most widely used red variety. In shape it is flattish but thick, with very firm flesh. An excellent keeper. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; lb. \$2.50, postpaid.

**LANGERS EARLIEST QUEEN**—This variety is known for its earliness and mildness of flavor. If planted in August or September it attains marketable size in April. They can be marketed while very young by cutting the top off close to the onion. Only what can be sold from day to day should be treated in this manner. The matured onion is a beautiful white. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; lb. \$3.00, postpaid.

**SOUTHPORT WHITE GLOBE**—A pure white, globe-shaped variety, forms handsome, hard Onions with wax-like pearl-white flesh. Is used a great deal for green Onions on account of having such a clear white stem, which makes it very valuable. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.00; lb. \$3.00, postpaid.

**SWEET SPANISH**—We have no sets of this variety. Very large, light yellow, globe shaped, small top, good shipper. This Onion was brought from Spain several years ago. Plant in December or January. It will mature in September when there is no danger from sun scald. Allow the Onion to thoroughly mature until the tops have fallen and dried. Then pull the Onions and allow them to remain in the field in rows well covered with the tops, which after a week of favorable weather become as dry as chaff. The tops are then rubbed off and the Onion put in crates and stacked loosely in a shaded but well ventilated place. After four to six weeks the Onion is so thoroughly cured it may be safely shipped to any city within the United States. Pkt. 10c; oz. 50c;  $\frac{1}{4}$  lb. \$1.50; lb. \$5.00, postpaid.

**YELLOW, or WHITE BERMUDA**—It is used for an early market variety and, if the seed is sown in the early fall, the bulbs can be harvested very early in the spring several weeks before any other variety. Its popularity is due to its earliness and fine and extremely mild flavor. Color is pinkish straw; shape is flat. We have a very fine strain of imported Teneriffe-grown seed of high germination. Pkt. 10c; oz. 50c;  $\frac{1}{4}$  lb. \$1.25; lb. \$4.50, postpaid.

**YELLOW GLOBE DANVERS**—A popular yellow globe Onion for market and shipping purposes. Almost ball-shaped, a trifle flattened at both ends. A heavy cropper and a good, firm, hard-fleshed variety. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. \$1.00; lb. \$2.50, postpaid.

**BUNCHING ONION**—Produces long, tender, sweet green onions. Excellent for market gardeners, growing onions for bunching. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 85c; lb. \$2.50, postpaid.

## ONION SETS

One pound or quart will plant a row 75 feet long; 200 to 300 pounds to the acre.

**WHITE BOTTOM SETS**—Lb. 35c; 10 lbs. \$3.00, postpaid.

**YELLOW BOTTOM SETS**—Lb. 35c; 10 lbs. \$3.00, prepaid. Write for quantity prices.

## PARSLEY

(PERJIL)

One ounce to 100 feet of drill.

Can be planted any month in the year. Requires very little water or attention. Is used for garnishing dishes or meats, or cooked in soups.

**MOSS-CURLED**—Plant resembles a tuft of finely curled moss. Is sometimes used as an ornamental foliage plant for borders of beds. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50, postpaid.

**PLAIN-LEAVED**—This is the hardiest variety in cultivation and is planted nearly every month in the year by the truckers here. Stronger in flavor than other sorts. Pkt. 10c; oz., 20c;  $\frac{1}{4}$  lb. 50c; lb. \$1.50, postpaid.

## PARSNIPS

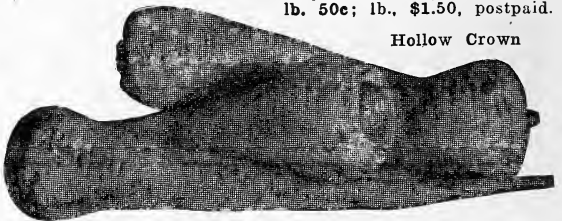
(CHERIBIA)

One ounce to 100 feet of drill; 5 to 6 lbs. to the acre.

Sow seed in 12 to 18-inch drills. Parsnips should be grown in a sandy soil, as the roots are long and difficult to dig. They do best in a very wet soil and will thrive where carrots would not grow. Parsnips, while among the finest vegetables for the table, also make a good stock feed. Mature 140 days from seed.

**HOLLOW CROWN**—Variety with hollow or cup-shaped top where the leaf-stock begins. The most popular and best variety for all purposes. The root grows 18 to 20 inches long. The best part is contained in the first 8 inches from the top. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 50c; lb., \$1.50, postpaid.

Hollow Crown





## PEAS

(CHICHAROS O ALVERJON)

One pound to 50 feet of drill; 50 to 80 lbs. to the acre.

Peas should be planted during the months of January, February, March and April. They are very hardy and will stand a great deal of frost. Plantings made later than April will not prove very profitable, as they do not thrive in hot weather. In localities where frost does not occur until the middle of November, the quick maturing sorts may be planted about the middle of September for a fall crop. Dwarf varieties can be planted in rows 12 to 18 inches apart and the tall ones in rows 3 feet apart. When the planting is done during the cold months, the seed should be put down from 1 to 2 inches, and the warmer months from 3 to 4 inches. In the garden the pods should be kept picked as the plants will bear longer. The tall varieties will continue bearing much longer than the dwarf kinds.

**AMERICAN WONDER**—Height 12 inches. This is one of the earliest of the green wrinkled sorts, ripening in about 50 days from germination. Is very prolific, bearing short, thick, well filled pods. Pkt. 10c; lb. 35c; 10 lbs., \$2.50 postpaid.

**ALASKA or EARLIEST OF ALL**—2½ feet high a smooth Pea well suited for extra-early planting; pods small; will not rot in cold, wet ground; popular with the canners. Pkt., 10c; lb., 35c; 10 lbs., \$2.50, postpaid.

**DWARF TELEPHONE**—Grows from 20 to 24 in. high. Vines are vigorous and bear for a long time. Is of the wrinkled variety and second-early. Pkt. 10c; lb. 35c; 10 lbs. \$2.50, prepaid.

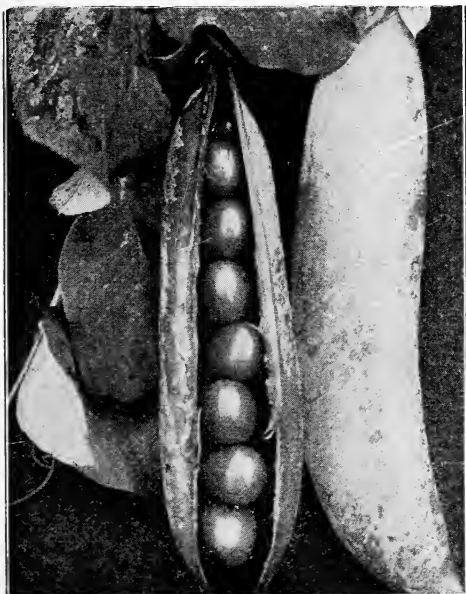
**LARGE WHITE MARROWFEAT**—A very tall hardy variety. Very productive. They are not wrinkled and are not so sweet or of so good quality as the wrinkled varieties. Pkt. 10c; lb. 35c; 10 lbs. \$2.50, postpaid.

**STRATAGEM**—Height 2 feet. Middle crop; wrinkled variety. Vines bear well and pods are long, thick and well filled. Our seed of this variety is especially fine. Pkt. 10c; lb., 35c; 10 lbs. \$2.50, prepaid.

**TELEPHONE**—Height 4½ feet. Peas are wrinkled and of remarkably fine quality. It is immensely productive, vines very strong, averaging 18 to 20 pods per stalk. Pkt. 10c; lb., 35c; 10 lbs. \$3.00, prepaid.

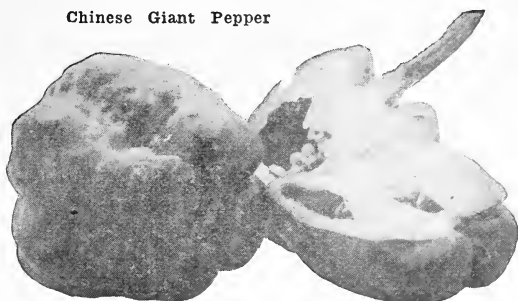
**YORKSHIRE HERO**—Very hardy and prolific wrinkled variety, most largely planted by market-gardeners. Peas are large and of fine quality and the pods, which are broad and of a good size, remain in fine condition for a long time. Pkt. 10c; lb. 35c; 10 lbs. \$2.50.

**PREMIUM GEM**—Grows to a height of 1½ feet and is very early. The best and most popular dwarf wrinkled variety, especially with market-gardeners. Pods are large and well filled with Peas of fine quality. Pkt. 10c; lb. 35c; 10 lbs. \$2.50, prepaid.



Alaska Pea

Chinese Giant Pepper



## PEPPERS

(PIMIENTO O CHILI)  
One ounce to 1,000 plants.

Peppers do best in hot climates and are one of our most profitable farm crops. They require very rich soil. The seed germinates slowly and should be started in boxes in the house or in hotbeds in December or January. Transplant to open ground when all danger of frost is over, 10 to 12 inches apart in the rows, which should be about 18 inches apart.

Requires 135 to 160 days from sowing to maturity.

**ANAHEIM CHILI**—This variety is a great improvement on the ordinary Chili. The Pepper is from 6 to 8 inches long and tapers from 1½ to 2 inches at the top to a point. This is the principal variety of Chili grown in this section. Fruit, when ripe, is bright red, very hot and fiery. Much relished by our Mexican population. Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$5.00, postpaid.

**CHINESE GIANT**—A very large variety, very thick and blunt. Is fully twice as large as the Large Bell or Bull Nose, being 4 to 5 inches thick at the top and about 6 inches long. Pkt. 10c; oz. \$1.00; ¼ lb. \$3.00; lb. \$11.00, postpaid.

**LARGE BELL, or BULL NOSE**—The most popular variety for stuffing. Fruit large, round and blocky, about 3 inches long and 2 inches thick. Pkt. 10c; oz. \$1.00; ¼ lb. \$2.50; lb. \$8.00, postpaid.

**PIMIENTO**—A new Pepper recently introduced, has become very popular because of its lack of pungency and its firm, fleshiness, which permits of its being scalded and peeled. It should be grown largely in the family garden because it is delicious in salads or stuffed. When ripe, can be eaten as you would an apple. Pkt. 10c; oz. \$1.00; ¼ lb. \$2.50; lb. \$7.50, postpaid.

## PUMPKINS

(CALABAZA)

One ounce to 25 hills; 2 to 4 lbs. to the acre.

Plant in May, June and July for best results; about five seeds to a hill, and keep three best plants. Hills 3 feet apart. If planted among corn, plant every fourth row.

From 100 to 120 days from sowing seed to maturity. If large quantities are wanted write for special prices.

**CALIFORNIA FIELD**—Is variously colored in yellow, drab and orange; usually very large. A heavy cropper and very easily grown. Fine for stock. Pkt. 10c; oz., 20c; ¼ lb. 50c; lb. \$1.25, postpaid.

**CONNECTICUT FIELD**—A fine large, orange-colored variety used for field culture and stock feeding. Grows well among corn. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50, postpaid.

**CUSHAW, GREEN-STRIPED**—Similar to the Crookneck Cushaw except it is bell-shape. Grows very large and is hardy and productive. Pkt. 10c; oz. 25c; ¼ lb. 50c; lb. \$1.50, postpaid.

**CUSHAW, or CROOKNECK**—Very productive, color light cream, sometimes lightly striped. Flesh salmon color, mealy and sweet. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.00, postpaid.

**JAPANESE PIE**—Flesh very thick, nearly solid, fine grained and very sweet, having much the taste and appearance of sweet potatoes. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50, postpaid.

**LARGE CHEESE, or KENTUCKY FIELD**—A very large flattened variety. When ripened the skin is a rich cream color. Flesh yellow and of fine quality. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. \$1.25, postpaid.



Mexican Pumpkin

**MAMMOTH GOLDEN CUSHAW**—One of the best stock-feeding varieties. Color solid yellow. Is nearly all flesh, having a very small seed-cavity. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50, postpaid.

**SMALL SUGAR, or PIE**—Smaller than the field Pumpkin, finer-grained and sweeter. Very prolific and a splendid keeper. One of the best varieties for pies. Pkt. 10c; oz. 25c; ¼ lb. 50c; lb. \$1.50, postpaid.

**TENNESSEE SWEET POTATO**—A good variety for making pies and for other cooking purposes. Is of medium size, a creamy white color, and has an excellent flavor. Good keeper. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50, postpaid.

**MEXICAN PUMPKIN**—It is also known as Mexican Squash. It is a native of this country, and is without a doubt the most prolific and the hardiest pumpkin known. It will grow and produce a crop with very little water. It has no true shape or color. Some will be perfectly smooth, others rough and warty. In color they vary from a light yellow to a dark green; many of them being mottled in varying shades of yellow, gold, red and green. When the fruit is very small it is sold on the local markets for summer squash. When matured they are excellent for pies, or when baked are much sweeter and superior to the Hubbard Squash. They will keep through the entire winter season, and can be fed to all kinds of stock, being very much relished. The yield is tremendous as high as ten tons to the acre. They will weigh as much as fifty pounds each. Our supply of seed is limited. Price, pkt. 10c; oz. 25c; ¼ lb. 50c; lb. \$1.50, postpaid.

## RADISHES

(RABANO)

One ounce to 50 feet of drill; 12 lbs. to the acre.

Radishes can be planted any month in the year, and should be planted in light, well-worked soil. They are easily grown and frequent planting will insure a constant supply for the table. Radishes must make a rapid growth in order to be crisp and tender. Ready in 18 to 40 days from seed, according to variety.

**BRIGHTEST LONG SCARLET**—Very showy, long variety. Bright rose-scarlet with distinct white tip. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. \$1.00; 5 lbs. \$3.75, postpaid.

**CRIMSON GIANT**—A forcing Radish which attains a very great size without getting pithy or hollow. Its pure white flesh remains firm and crisp and is of the mildest flavor. Pkt., 10c; oz., 20c; ¼ lb., 35c; lb., \$1.00, postpaid.

**CHINESE WHITE WINTER**—Well-known and popular winter variety. Clear white, about 4 inches long and half stump-rooted. Firm and crisp until it runs to seed. Pkt., 10c; oz., 20c; ¼ lb., 35c; lb., \$1.00, postpaid.

**CHINESE ROSE**—Delicious, crisp radish; skin deep rose; flesh pure white. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. \$1.00, postpaid.

**EARLY SCARLET TURNIP**—A favorite and valuable variety. Small, turnip-shaped crimson radish. Pkt. 10c; oz., 20c; ¼ lb., 35c; lb., \$1.00; 5 lbs. \$3.75, postpaid.

**EARLY SCARLET TURNIP, WHITE-TIPPED or ROSY GEM**—Beautiful variety, deep scarlet with white tip. Very popular as a market variety. Globe-shaped. An exceptionally fine strain. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. \$1.00, 5 lbs. \$3.75, postpaid.

**FRENCH BREAKFAST**—Popular variety for market. About 2 inches long, color bright rose, with bottom of root and tail pure white. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. \$1.00, postpaid.

**ROUND BLACK SPANISH**—Winter variety with black skin and white flesh. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50, postpaid.

**WHITE ICICLE**—Handsome white variety about 5 inches long, with sloping top and pointed root. Quick-growing; mild in flavor. For crispness and tenderness it is unsurpassed. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. \$1.00, postpaid.

## ROSELLE, LEMONADE PLANT

Sow seed early in April in the field 4 feet apart in rows 6 feet apart. Treat as okra.

Is an annual plant, the fruit of which is used for making jelly and jam. Is easily grown from seed if planted after the ground is warm. Grows rapidly, resists drought, and is very ornamental. To make jelly, treat as follows: Pick the pods that grow at the junction of each leaf. Boil until soft and strain one-fourth of a lemon to each pint of juice and boil again until it jellies. Pkt. 10c; oz. 50c; ¼ lb. \$2.00, postpaid.

## SALSIFY, VEGETABLE OYSTER

(SALSIFI BLANCO)

One ounce to 50 feet of drill.

Resembles a small parsnip. When thinly sliced and cooked is a good substitute for oysters, having a similar flavor. Sow early and quite deep. Thin plants and cultivate as for carrots or parsnips.

**MAMMOTH SANDWICH ISLAND**—Improved large-rooted variety, growing about 12 inches long and 1 to 2 inches thick. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.00, postpaid.

## SPINACH

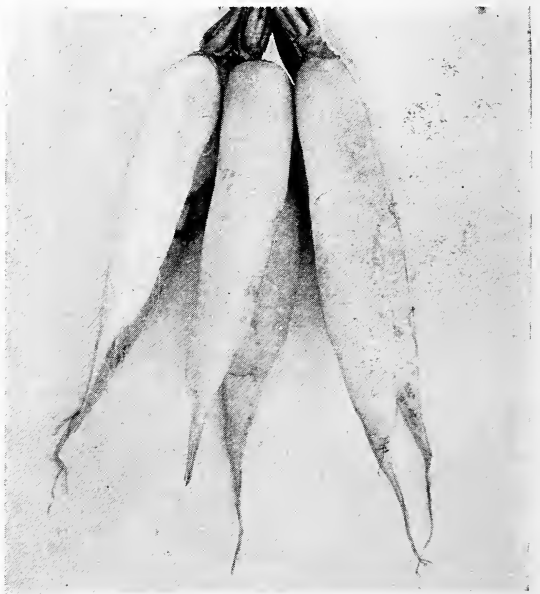
(ESPINACA O ASELDA)

One ounce to 50 feet of drill; 12 lbs. to the acre.

Spinach does best as a winter crop. The seed should be planted in the early fall after the extremely hot weather is over. It does not germinate well in hot weather. Plant in rows 1 foot apart and 1 inch deep. Can be planted any month in the year, though September is the best time to plant. Grown very extensively for "greens".

**BLOOMSDALE, or SAVOY-LEAVED**—Leaves large, round and thick. Very much savoyed and rich deep green. Pkt., 10c; oz., 20c; ¼ lb., 30c; lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.50; 100 lbs., \$25.00, postpaid.

**LONG STANDING**—This is a good sort for market gardeners because it is slow to shoot to seed, and the quality is equal to the best winter variety. Pkt. 10c; oz., 20c; ¼ lb., 30c; lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.50; 100 lbs., \$25.00, postpaid.



White Icicle

**PRICKLY WINTER**—Variety commonly used by market gardeners. Very hardy and easily grown. Bears large, smooth leaves shaped like an arrowpoint. Color bright green. Pkt. 10c; oz., 20c; ¼ lb., 30c; lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.50; 100 lbs., \$25.00, postpaid.

**VIROFLAY**—This variety has become exceedingly popular because of its large, smooth, thick leaves. It is exceedingly tender and of mild flavor, produces considerably heavier than any other variety. Pkt. 10c; oz. 20c; ¼ lb., 30c; lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.50. 100 lbs. \$35.00, postpaid.

## SQUASH

(CALABAZA)

1 oz. to 50 hills; 3 to 4 lbs. to the acre.

Sow after danger of frost is past. Plant the bush varieties in hills about 4 feet apart; running varieties 6 to 9 feet apart. Plant about half a dozen seeds in a hill and thin to three best plants.

From planting to maturity, 100 to 125 days.

**BANANA**—This squash grows from one to two feet in length. Flesh firm and solid of beautiful orange-yellow and excellent quality. It keeps from one season until another. When quite young it is excellent to cook as a marrow. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50; 5 lbs. \$7.00; 10 lbs. \$13.00, postpaid.

**DELICIOUS**—Oblong deep green skin and thin rind. Fine winter keeper. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50, postpaid.

**EARLY WHITE BUSH SCALLOP, or PATTY PAN**—Very early summer variety. Fruit creamy white, flat and scalloped, 4 to 6 inches in diameter. Excellent for the market. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50, postpaid.

**PIKE'S PEAK, or SIBLEY**—An excellent winter Squash. Fine-grained and superior in flavor and keeping qualities to the Hubbard, but not so well known. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.00, postpaid.

**FORDHOOK**—A good variety for early winter or even summer use. Fruit oblong, slightly ridged. Is creamy yellow outside, and the flesh is thick and when cooked of a delicate flavor. Is solid and hard and a splendid keeper. Pkt. 10c; oz. 25c; ¼ lb. 65c; lb. \$1.50, postpaid.

**HUBBARD**—Most popular and widely used of the winter Squashes. Fruit oblong and pointed, heavily warted and dark green in color, with orange-colored flesh. Remarkable for its keeping qualities. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.00, postpaid.

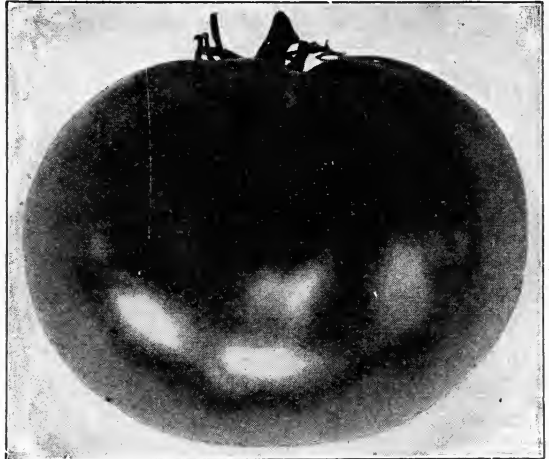
**GOLDEN HUBBARD**—This is identical in size, form and fruitfulness with the green Hubbard. The chief distinction is that the heavily warted skin is of rich orange turning to red when ripened. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.00, postpaid.

**ZUCCHINI, or ITALIAN**—The earliest of all the summer Squashes. Is usually eaten when quite small, still is good for table when nearly full grown. Has a distinct flavor. Dark green at first, changing lighter green as it matures. Pkt. 10c; oz. 25c; ¼ lb. 50c; lb. \$1.50, postpaid.

**YELLOW SUMMER CROOKNECK**—Fruit long, skin very much warted. Bright golden yellow. Very fine and tender when young. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50, postpaid.



Hubbard



Dwarf Beefsteak

## TOMATOES

(TOMATE)

One ounce to 2,000 plants.

Sow the seed in January in the hotbed or in a box inside the house for early spring planting. When plants are 2 to 3 inches high, transplant to another bed or set in pots. If put in another bed they should be planted about 4 inches apart each way. This insures good, strong, stocky plants. After all danger of frost is past, transplant to the field, 4 feet apart, in rows 6 feet apart for the tall varieties, and for the dwarf varieties 3 feet apart each way. Water and protect until well rooted. Dwarf varieties are much the best for the southwest, as they produce abundant foliage, which protects the fruit from the direct rays of the sun. The tall varieties do not have enough foliage to protect the fruit, and the result is that much of it becomes sun-burned. Must not be watered too frequently. If they are, the blossoms will drop off, and they then, of course will not produce fruit. Tomatoes are a profitable crop to grow.

Mature in 90 to 150 days from planting.

**ACME**—A tall variety, medium early, bearing flattish globe-shaped fruit of a purplish carmine; medium size. A prolific bearer. Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$4.50, postpaid.

**BEEFSTEAK**—Very large variety. Fruit of a bright red color, very firm meat and good flavor. Pkt. 10c; oz. 75c; ¼ lb. \$2.00; lb. \$7.50, postpaid.

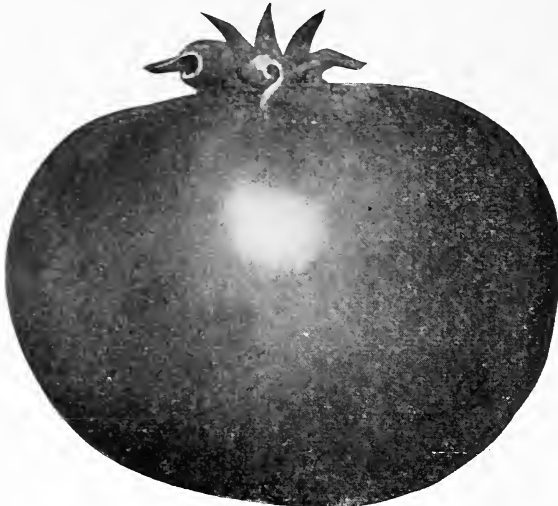
**BEAUTY**—Early. Fruit smooth, purplish carmine, good size. Tall. Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$5.00, postpaid.

**CHALE'S EARLY JEWEL**—Very hardy, early variety. Produces large, smooth, fine-flavored, bright red Tomatoes. Produces continually throughout the season. Fruit is deep globe-shaped and very solid. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$3.50, postpaid.

**DWARF CHAMPION**—Another variety of the Tree Tomato, extra early. Fruit medium size, smooth, and purplish pink. Pkt. 10c; oz. 35c; ¼ lb. \$1.50; lb. \$5.00, postpaid.

**DWARF STONE**—(Tree Tomato). Has very dense foliage, which completely protects the fruit from the sun. The fruit is very large, perfectly smooth, and bright scarlet. They ripen even to the stem without a crack. Are very solid and heavy. This variety is very productive and fruits in the hottest weather until frost. Resists blight to a greater extent than the tall varieties. Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$5.00, postpaid.

**DWARF BEEFSTEAK**—A large, new variety which is going to give Dwarf Stone a hard run for first place. The growers who have tried it claim that it is superior to Dwarf Stone, as the fruit is larger and the plant is extremely blight-resistant. The fruit is deep purplish crimson, large and meaty, with practically no core and but few seeds. It begins bearing in mid-summer and continues until killed by frost. The Tomatoes are round, smooth and produced in great abundance. Pkt. 10c; oz. 75c; ¼ lb. \$2.50; lb. \$8.50, postpaid.



Matchless Tomato

**EAELIANA**—The earliest tall variety. Fruit large, deep red and of good quality. Smooth and free from cracks. Very productive. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$3.50, postpaid.

**JUNE PINK**—Resembles the Earliana, except that in color it is pink. One of the earliest; prolific and continuous bearer. Fruit 2½ to 3 inches in diameter, and very tender. Pkt. 10c; oz. 40c; ¼ lb. \$1.25; lb. \$4.00, postpaid.

**LIVINGSTON'S GLOBE**—Now planted more extensively in Mexico for main winter crop than any other variety, perfectly round, medium size, flesh solid, color purplish red; an excellent shipper. Pkt. 10c; oz. 50c; ¼ lb. \$1.65; lb. \$5.00, postpaid.

**MATCHLESS**—There is no better Tomato grown than Matchless, with its large fruit, smooth and uniform. Color bright cardinal-red. Heavy cropper and of excellent flavor. Equally good for the home-garden, for canning and for market. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50, postpaid.

**STONE**—Fruit same as Dwarf Stone, vine tall and prolific. Is used largely for canning. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50, postpaid.

**TROPHY**—An old favorite, productive and hardy. Fruit somewhat irregular, but of fine quality and excellent flavor, scarlet in color. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$3.00, postpaid.

**GOLDEN QUEEN**—A large yellow Tomato of delicious flavor. Pkt. 10c; oz. 50c; ¼ lb. \$1.50, postpaid.

## TURNIPS

(NABO)

One ounce to 75 feet of drill; 2 lbs. to the acre.

Can be planted any month in the year. Turnips are easy of culture, but must have quick growth to insure freedom from woodiness. Plant in rows about 12 inches apart. Cover seed lightly. Thin plants to 6 inches apart. For early fall planting sow the Yellow or Amber Globe or Purple-top Strap-Leaf. For early spring, Early White Flat Dutch, and for summer the White Egg or White Snowball.

Ready from 40 to 60 days from seed.

**COW HORN**—Grows very quickly, partly above ground; very productive; flesh white, fine-grained and sweet; of excellent quality for family use and for stock feeding. The roots are very large, sometimes 15 inches long and 2 inches in diameter. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. \$1.25, postpaid.

**EARLY WHITE FLAT DUTCH**—Medium-sized, flat variety, clear white, early and of fine flavor. Pkt. 10c; oz. 20c; ¼ lb., 35c; lb., 75c, postpaid.

**PURPLE-TOP WHITE GLOBE**—Valuable sort for either table use or stock-feeding. Roots globe-shaped, white with purple top. Flesh white, firm and tender. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. 75c, postpaid.

**PURPLE-TOP STRAP-LEAF**—Flat variety, white with purple top. Probably the most popular and generally used garden variety. Matures quickly and has fine-grained flesh of mild flavor. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. 75c, postpaid

**WHITE EGG**—A small, oval-shaped variety with pure white skin and white, fine-grained flesh. A fine variety for summer crop. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. 75c, postpaid.

**WHITE SNOWBALL**—A medium-sized globe-shaped variety of excellent quality. Fine for late spring planting. Should have a place in every garden. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. 75c, postpaid.

**YELLOW, or AMBER GLOBE**—Skin is clear yellow, of large size and fine flavor. Much used for fall planting. A splendid variety. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. 75c, postpaid.

## RUTABAGAS OR SWEDES

Grown extensively for stockfeeding. Treatment same as for turnips except that rows should be about 1½ feet apart and plants thinned to 8 to 12 inches.

**AMERICAN PURPLE-TOP**—One of the best and most popular varieties, with yellow flesh. It is yellow below ground, with purple top above. Leaves are small. Good stock-feeding or table variety. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. 75c, postpaid.

**LARGE WHITE**—A very large variety with white skin and white flesh, which is tender and sweet. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. 75c, postpaid.

**YELLOW PURPLE-TOP SWEDE**—The well-known and most commonly used variety. Roots globular; skin yellow under ground and purple above. Flesh of fine flavor. Valuable for either table use or stock-feeding. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. 75c, postpaid.

## WATER CRESS

(BERRO)

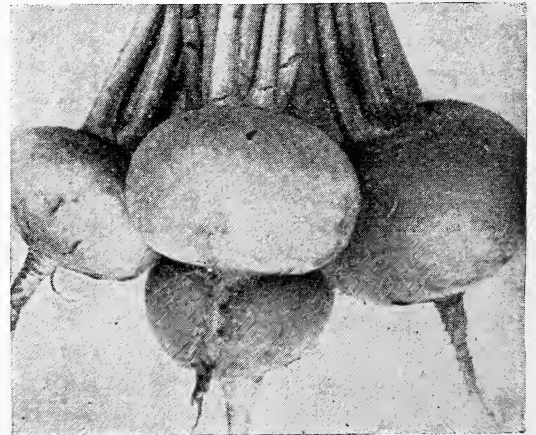
Seed should be sown in damp soil or, better still, in a shallow stream of water. It can also be grown in damp cold frames. Should be planted thickly in shallow drills. Pkt. 10c; oz. 75c; ¼ lb. \$2.50, postpaid.

## VEGETABLE PLANTS AND ROOTS

Postage extra, at the rate of 10c a dozen or 25c per 100 plants. Write for prices on plants in lots of several thousand.

	Doz.	100	1,000
Asparagus Roots, Palmetto	\$.50	\$2.00	\$15.00
Barr's Mammoth	.50	2.00	15.00
Cabbage Plants, Jersey Wakefield	.35	1.00	6.00
Early Dwarf Flat Dutch	.35	1.00	6.00
Sure Head	.35	1.00	6.00
Premium Late Flat Dutch	.35	1.00	6.00
Cauliflower	.35	1.50	6.00
Eggplant, New York Improved	.60	2.25	
Horseradish Roots	.50		
Mint Plants	.50		
Pepper Plants, Large Bell Anaheim	.50	1.50	6.00
Rhubarb Roots, each 35c	2.50		
Tomato Plants, Earliana Beauty	.50	1.50	5.00
Dwarf Stone	.50	1.50	5.00

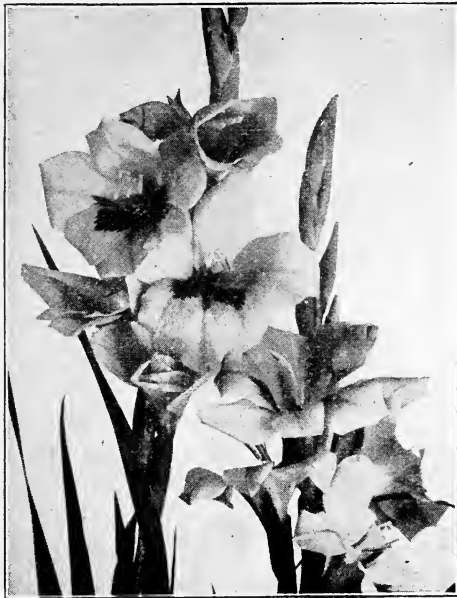
We can furnish Tomato, Pepper and Egg Plants established in 2½ inch paper pots at \$1.25 per dozen; \$6.00 per hundred; \$50.00 per thousand. The surest way to get these plants to grow with a minimum loss and the way to get the earliest fruits is to set out these established pot-grown plants.



Purple Top Globe



# Bulbs For Spring Planting



Mrs. Frank Pendleton

## CALLA LILIES

Produces pure white blooms on long stems. In Arizona they prefer partial shade. Large bulbs 25c each; \$2.50 per dozen, postpaid. On sale December first to April first.

## YELLOW CALLA LILIES

Blossoms are deep golden yellow, leaves spotted white. Suitable for outdoor or pot culture. On sale December first to April first. Price, each 50c.

## GLADIOLI

These should be planted about three inches deep in good soil in a sunny location. Plant from December to March. The varieties listed below are those that produce the best flowers. 10c each; \$1.00, dozen; \$7.00 hundred, prepaid.

- ALICE TIPLADY**—Beautiful orange saffron color.
- BARON HULOT**—Purple.
- LOS ANGELES**—Shrimp pink, very beautiful.
- MRS. FRANK PENDLETON**—Salmon Pink with carmine blotch on the three lower petals.
- MRS. FRANCIS KING**—Vermilion and scarlet.
- SOUVENIR**—Bright yellow.
- VIRGINIA**—Scarlet.
- CHICAGO**—White.
- ROSE GLORY**—Ruffled rose pink.
- E. J. SHAYLOR**—Large ruffled rose pink blooms.
- LANGERS SPECIAL MIXTURE GLADIOLI**—10c each; 75c dozen.

## TUBEROSES

Delightfully fragrant beautifully flowering summer bulbs. Blooms from July to October. Blossoms pure white and single. On sale from January to April. Each 10c; \$1.00 per dozen.

## CANNAS

Cannas grow very easily and are well adapted to our climate. Once a bed is started they require very little care. They produce an abundance of foliage and dazzling blooms in many shades. Roots should be set about 18 inches apart each way. Cannas enjoy the full sun.

**KING HUMBERT**—Immense brilliant flowers of orange red, foliage bronze. 20c each; \$2.00 per dozen.

**YELLOW GOLD BIRD**—Clear lemon yellow flowers, very large. Green foliage; three to four feet high. 20c each; \$2.00 dozen.

**WYOMING**—Pure rich orange. Bronze leaves. 20c each; \$2.00 dozen.

**PANAMA**—Petals terra cotta, red spotted yellow. 20c each; \$2.00 dozen.

**HUNGARIA**—Fine clear pink, green foliage. Height 3 ft. Price 25c each; \$2.50 dozen.

**LANGERS SPECIAL MIXTURE CANNA** roots, 15c each; \$1.50 dozen.

## DAHLIAS

### DAHLIA CULTURE

Prepare a light, well enriched soil in an open location and plant the tubers 5 inches deep. Water sparingly until the plants are about a foot high then water freely.

**AMUN RA** (Decorative)—A mammoth decorative Dahlia borne on long stout stems. In color, a gorgeous combination of copper, orange, and golden bronze. Each 75c.

**CHARLES CLAYTON** (Cactus)—A most intense red of fine form. Stems are long and flowers are produced freely. Each, 50c.

**DELICE** (Decorative)—One of the most reliable Dahlias grown. Color is a bright clear pink. Well formed flowers on fine stems and a good keeping cut flower. Each, 50c.

**ELEANOR STISSER** (Decorative)—Flowers are very large and full. A delightful combination of buff shading to pink and old rose. Each 50c.

**ELLINOR VANDEVEER** (Decorative)—A new variety that far surpasses anything of its color. Strong, robust plants holding the flowers high on fine stem. Color is delightful shade of true light Pink. Each, 75c.

**GENESTA** (Cactus)—A beautiful rich autumn shade of Orange Bronze. Each 50c.

**GOLDEN WEST** (Cactus)—A superb flower of good size. Stems are long and rigid, holding the flowers to full view. Color is bright golden yellow. Each, 75c.

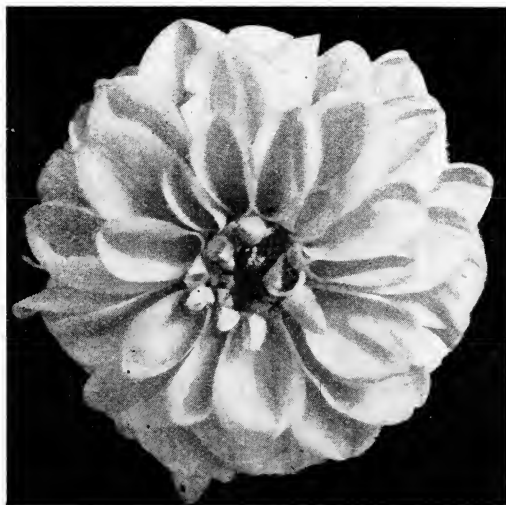
**MINA BURGIE** (Decorative)—A free flowering variety. Flowers are extra large and a clear, dark vivid red borne on good stems. Each 50c.

**MRS. CARL SALBACH** (Decorative)—Extra large and of beautiful form—always being full to the center. Color a refreshing shade of lavender-pink. Among the very best of recent introductions. Each, 75c.

**MOONBEAM** (Decorative)—Large flowers of a clear canary yellow. A free bloomer and one of the best bright yellows. Each, 50c.

**PURPLE MANITOU** (Decorative)—Extra large clear purple. One of the best of its color. Each 50c.

**PRINCESS JULIANA** (Decorative)—A superb and dependable pure white. An exceedingly free bloomer and fine keeper. Each 50c.



Ellinor Vandever

**POMPON DAHLIAS**

These are the small button Dahlias so popular as a cut flower. Colors, red, pink, white, orange, bronze, yellow, purple, maroon and many intermediate shades. Bulbs each, 35c postpaid.

**LANGERS RAINBOW DAHLIA COLLECTION**

1 bulb each of the 12 choice large-flowering Dahlias listed on page 25. Value, \$7.00—12 bulbs for \$5.00 postpaid.

**LANGERS DAHLIA BARGAIN NO. 2**

1 Amun Ra -----	75c
1 Golden West -----	75c
1 Eleanor Vanderveer -----	75c
1 Mrs. Carl Salbach -----	75c

Total value ----- \$3.00  
 Set of 4 bulbs ----- \$2.25, postpaid  
 See page 25 for descriptions.

**LANGERS DAHLIA BARGAIN NO. 3**

6 Choice large-flowering bulbs—1 each, pink, red, yellow, white, bronze and purple. All 6 for \$2.00, postpaid.

**POMPON DAHLIA COLLECTION NO. 1**

12 Pompon Dahlia bulbs all different colors. Value \$6.00, postpaid \$4.50.



Pompon Dahlia

**POMPON DAHLIA COLLECTION NO. 2**

6 Pompon Dahlia Bulbs, all different colors. Value \$3.00, postpaid for \$2.25.

**Langers Hardy Perennial Plants**

It is generally believed that perennials will not bloom the first year they are set out. However all plants that we offer below will bloom the first season as we have carried them over their first year's non-blooming period.

**ANCHUSA** (Dropmore Variety)—The color of the flower is gentian blue—plants bloom during May and June. Each 35c; \$3.50 dozen.

**AQUILEGIAS or COLUMBINES**—These are among the most elegant and beautiful hardy plants, producing their graceful spurred flowers with the stems often as high as two feet. They bloom from late Spring into early Summer. They prefer a semi-shady location. Mixed colors 30c each, \$3.00 dozen.

**ARMERIA** (Sea Pink or Thrift)—Dwarf plants that do well in any soil, forming evergreen tufts of foliage bearing quantities of pink flowers on stiff wiry stems. Each 30c; per dozen, \$3.00.

**ARTEMISIA (GHOST PLANT)**

**SILVER KING**—Showy white leaved plant growing 3 ft. high. Its beautiful mist-like foliage may be cut to mix with winter bouquets. Each 30c; \$3.00 per dozen.

**LANGERS HARDY ASTERS**

(Fall Flowering) Price 50c each; \$5.00 dozen.

**BARR'S PINK**—Vigorous grower, bearing finest bright pink flowers.

**HEATHER GLOW**—Large flowers of brilliant rose.

**JAPANESE DOUBLE WHITE**—Produces double white flowers about 2 ft. in height.

**MAGGIE PERRY**—Color pleasing tone of soft mauve.

**OCTOBER DAWN**—Flowers of Lilac Mauve.

**QUEEN MARY**—Very large flowers in blue tinted lavender.

**THORA PERRY**—Large semi-silver double white flowers.

**ASTERS**

(Summer Flowering) Price 50c each; \$5.00 per dozen.

**ACRIS**—Grows about 18 in. is completely covered with violet blue flowers.

**AMELLUS ELEGANS**—Produces large showy flowers of rich bluish violet.

**MICHAELMAS DAISIES OR STARWORTS**—Small flowers, beautiful shade of blue with colored centers.

**BELLIS PERRENNIS** (English Daisy)—Small double daisies mostly white and pink. 25c each; \$2.50 per dozen.

**CAMPANULAS, OR CANTERBURY BELLS**

These beautiful little plants prefer some shade. Indispensable in any garden. Mixed colors, price 25c each; \$2.50 per dozen.

**CARYOPTERIS**

**MASTACANTHUS** (Blue Spirea)—Produces rich lavender-blue flowers. Height about 3 ft. 50c each; \$5.00 per dozen.

**CARNATIONS**

These prefer an open sunny situation. Bloom nearly all year except in the extremely hot and cold weather. Price, 20c each; \$1.50 per dozen.

**ENCHANTRESS**—Beautiful shell pink.

**MRS. C. W. WARD**—Deep rose pink.

**SPECTRUM**—Beautiful red.

**WHITE ENCHANTRESS**—Pure white.



Single Aster

**CENTUREA**

**MONTANA** (Perennial Corn Flower)—Delights in an open sunny situation. Grows 2 ft. high bearing large violet blue corn flowers. 25c each; \$2.50 dozen.

**CHRYSANTHEMUMS**

For sale during April and May. For a wealth of Fall blooms from October to December nothing excels the Chrysanthemum. If large blooms are wanted plants should be pinched when about 4 inches high, and two or three shoots allowed to grow to each plant. All others should be removed as well as all of the buds except a terminal button on each shoot. Chrysanthemums enjoy an open sunny situation. Price 20c each; \$1.50 per dozen.

**YELLOW VARIETIES**

**CITRONELLE**—Close incurve type with high center, clear citron yellow.

**CHRYSOLORA**—Fine incurve. Very early.

**GOLDEN QUEEN**—Incurve blooms, very double.

**YELLOW TURNER**—Incurve, and one of the largest varieties. Very light yellow.

**SEIDEWITZ**—Deep yellow. Very good.

**BONNAFFON**—Brilliant yellow incurve type.

**MISTLETOE**—One of the best late yellows. Color Cream.

**WHITE VARIETIES**

**BETSY ROSS**—Pure white, of perfect incurve form.

**WHITE CHIEFTEN**—Incurve type, early.

**WHITE TURNER**—One of the largest white incurve.

**LOUISE POCKETT**—Very large white variety. Very beautiful.

**WHITE MISTLETOE**—Creamy white. Very late. Incurve.

**PINK VARIETIES**

**HELEN FRICK**—Beautiful lavender pink. Incurve.

**OCTOBER ROSE**—Deep rose pink. Very beautiful.

**PINK CHIEFTAIN**—Beautiful light pink. Incurve.

**PINK TURNER**—Very large light pink incurve.

**CHRISTMAS CHEER**—Deep dark pink. Very late.

**PINK SEIDEWITZ**—Attractive bright pink.

**MISTLETOE**—Late light pink.

**BRONZE VARIETIES**

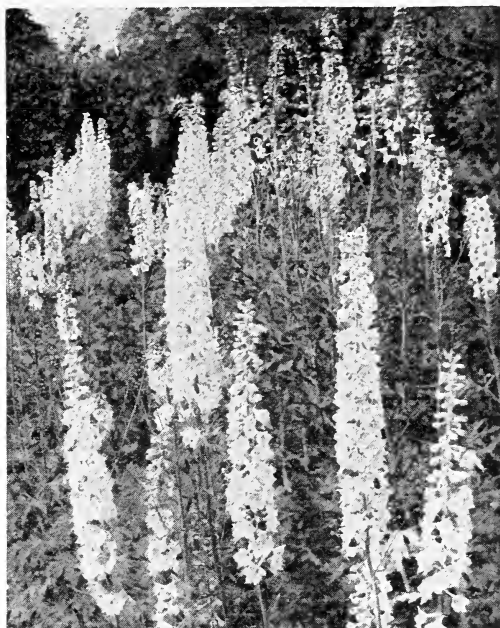
**INDIANOLA**—Blossoms in October.

**BRONZE SEIDEWITZ**—November flowering.

**MISTLETOE BRONZE**—Large compact blooms, late.



Pom Pom, Lillian Doty



Delphiniums

**POM POM CHRYSANTHEMUMS**

These flower in great profusion, with small blossoms. Very hardy and floriferous. Price 20c each; \$1.50 per dozen.

**DIANA**—Pure white, very double.

**LILLIAN DOTY**—Blush white, large flowered, long stem.

**PINK LILLIAN DOTY**—Beautiful shell pink.

**MRS. WM. BUCKINGHAM**—Beautiful pink with yellow center.

**YELLOW LILLIAN DOTY:**

**BRONZE LILLIAN DOTY:**

**RED LILLIAN DOTY:**

**BRONZE BUCKINGHAM:**

**CHRISTMAS GOLD**—Yellow button variety blooming late.

**COREOPSIS**

**LANCEOLATA GRANDIFLORA**—Popular hardy plant, bearing rich golden yellow flowers. Fine for cutting. Price 25c each, \$2.50 per dozen.

**DAISIES**

**ARCTICUM** (The Arctic Daisy)—Produces pure white flowers 2-2½ in. in diameter. 25c each; \$2.50 per dozen.

**GERBERA** (Transvaal Daisy)—Produces beautiful daisy-like flowers with coloring from bluish white, salmon, pink, to scarlet. Very hardy and very valuable as a cut flower. Mixed colors 25c each; \$2.50 per dozen.

**SHASTA DAISY** (Alaska)—White with yellow center. Blooms freely in early summer. Price 20c each; \$1.50 per dozen.

**DELPHINIUMS (HARDY LARKSPUR)**

**BELLADONNA**—Clear turquoise blue. Price 25c each; \$2.50 per dozen.

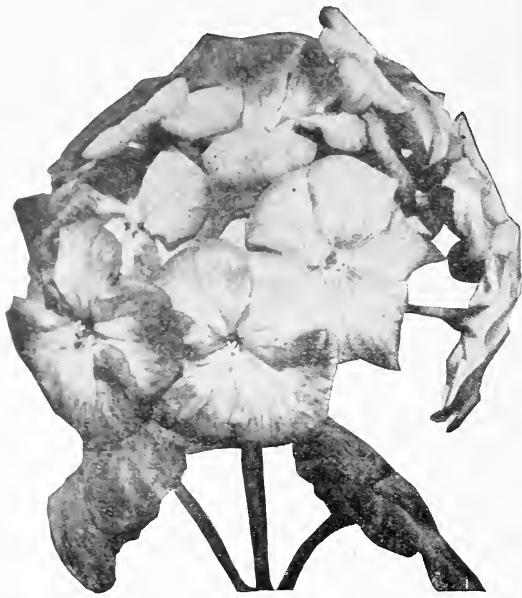
**DELPHINIUMS HYBRIDS**—All colors. 25c each; \$2.50 per dozen.

**DIANTHUS (PINKS)**

Fragrant spicy flowers with rich and colorful markings. Very hardy. 25c each; \$2.50 per dozen.

**DIGITALIS (FOXGLOVE)**

Old fashioned dignified and stately flowers. Mixed colors, 35c each, \$3.50 per dozen.



Geranium

**GAILLARDIA (BLANKET FLOWER)**

Very showy, succeeding in any soil in a sunny location. Bloom freely all summer. Center is dark red, brown petals marked with rings of crimson, orange and yellow. Fine for cutting. Single or double. 25c each; \$2.50 per dozen.

**GERANIUMS**

These wonderful old fashioned flowers are perfectly hardy in our climate, blooming freely winter and summer out of doors. Bedding size from 2½ in. pots, 20c each; \$1.50 per dozen; 3 in. pots, 35c each; \$3.50 per dozen; 4 in. pots, 50c each; \$5.00 per dozen; larger sizes for house plants \$1.00 and \$1.50 each.

- ALPHONSE RICARD**—Semi-double, bright scarlet.
- GENERAL GRANT**—Double, orange scarlet.
- S. A. NUTT**—Double, dark red.
- SCARLET BEDDER**—Double, dark scarlet.
- RED BARNEY**—Double, free bloomer, bright red.
- MME. BUCKNER**—Double, Snow white.
- BEAUTE DE POITTEVINE**—Semi-double, light salmon pink.
- MRS. E. G. HILL**—Single, light salmon with rose border.
- MME. BARNEY**—Semi-double, pure pink.
- IVY LEAVED**—Salmon pink.
- ROSE, SMALL CUT LEAVES**—Rose scented.

**GEUM**

Pretty border plants growing about 15 inches to 18 inches high, with colorful bright flowers. In red and yellow. 35c each; \$3.50 per dozen.

**GYPSOPHILA PANICULATA (BABYS BREATH)**

Beautiful dainty little white flowers. Fine for mixing in bouquets. 35c each, \$4.00 dozen.

**HEUCHERA (CORAL BELLS)**

Free flowering. Blooms coral red. Blooms profusely. Good for cutting. 50c each; \$5.50 per dozen.

**HOLLYHOCKS**

Stately majestic hardy plants growing from six to eight feet in height. We offer the best double fringed varieties. Double white, double pink, double yellow, double red, double maroon, double mixed. Price 25c each; \$2.50 dozen.

**LAVENDER**

Excellent for borders, very fragrant. 25c each; \$2.50 per dozen. Large plants, 50c each.

**PENTSTEMON (BEARD TONGUE)**

Showy perennials, producing spikes of brilliant flowers in many colors. 35c each; \$3.50 per dozen.

**PHYSOSTEGIA (FALSE DRAGON HEAD)**

Very useful for cutting. Bear long spikes of heatherlike flowers. 35c each; \$3.50 per dozen.

- VIRGINIANA**—Pink.
- VIRGINIANA ALBA**—Pure White.

**POPPY ORIENTALE**

Early flowering perennial. Flowers of red, pink, rose and orange. 25c each; \$2.50 per dozen.

**RUBECKIA (CONE FLOWER) GOLDEN GLOW**

Strong robust growers, producing masses of double, golden yellow, cactus-like flowers. Bloom from July to October. Price 35c each; \$3.50 per dozen.

**ROSMARINUS (ROSEMARY)**

An aromatic herb. Very ornamental. Small plants 25c each; \$2.50 per dozen. Large plants in gallon containers, \$1.50 each.

**SALVIA (MEADOW SAGE)**

**PITCHEEII**—Comes from Colorado. Flowers are deep indigo blue. Has long blooming season. Price 50c each; \$5.50 per dozen.

**GREGGII**—Bears masses of rich brilliant carmine flowers. Price, each 50c; Dozen, \$5.50.

**SALIDAGO (GOLDEN ROD)**

Produces large heads of golden yellow flowers. Price 25c each; \$2.50 per dozen.

**STATICE LATIFOLIA**

Flowers are borne in white, yellow, purple and pink. Flowers when cut and dried last in perfect condition. 35c each; \$3.50 per dozen.

**STOKESIA (CORNFLOWER ASTER)**

Blooms freely all summer, bearing large cornflower like blossoms. 35c each; \$3.50 per dozen, mixed colors.

**SWEET WILLIAM (DIANTHUS BARBATUS)**

Well known attractive free flowering hardy perennial. Prefers some shade. Mixed colors. 25c each; \$2.50 per dozen.



Hollyhocks

**TRITOMA (RED HOT POKER)****(FLAME FLOWER OR TORCH LILY)**

**PFITZERI**—Ever blooming flame flower. Bears flame colored flowers on long spikes 3 to 4 feet high. Color rich orange scarlet. Large plants. Flowers freely all summer. \$1.00 each.

**VALERIANA**

**OFFICINALIS** (Hardy Garden Heliotrope)—Produces showy heads of tinted flowers with heliotrope odor. 35c each; \$4.00 per dozen.

**VERBENA**

Flowers are produced in trusses in red, white, pink, lavender and blue. Bloom almost constantly the entire year. Price, in any of the above colors, or mixed. 20c each; \$1.25 per dozen.

**BEAUTY OF OXFORD**—Very beautiful shade of rose pink, flowers nearly 3 inches in diameter. 20c each; \$1.50 per dozen.

**VINCA (PERIWINKLE, OR TRAILING MYRTLE)**

An Excellent evergreen trailing plant used extensively for carpeting ground under shrubs and trees, or in other shady places. Bears small bright blue flowers. Each 20c; \$1.50 per dozen.

**VINOSA**

Strong husky grower about 1 ft. high. Covered with purplish heliotrope flowers. 20c each; \$1.50 per dozen.

**VIOLETS**

Violets prefer complete shade. They bloom freely all winter out of doors.

**PRINCESS OF WALES**—Beautiful deep purple. 20c each; \$1.25 per dozen.



Tritoma

**WALL FLOWERS**

Very fragrant and useful for bouquets. Flowers produced on large handsome spikes. Mixed colors. 25c each, \$2.50 dozen.

**ANNUAL PLANTS**

All of our annual plants are pot grown and are transferred to and delivered in paper pots. As a result they are so well established and so strong and hardy that when they are transplanted to the garden they immediately begin to make strong vigorous growth. Inasmuch as they are not checked in their growth they rarely suffer the loss of a single plant. They will begin flowering much sooner than if grown from seed.

**ANTIRRHINUM (SNAPDRAGON)**

While we list these among our annual plants, in this section of the country they often prove to be per-



Antirrhinum (Snapdragon)

ennials as with reasonable care during the hot weather they will live year after year. Flowers are produced on long spikes in a great profusion of colors. We can furnish plants in white, pink, yellow, bronze and red, or mixed. 20c each; \$1.25 per dozen.

**ASTERS**

These popular annuals produce flowers in white, pink, red and purple. They grow to a height of 18 in. to 2 ft. and the flowers are about 3 inches in diameter. They do best at elevations of 4000 ft. or higher, where they will begin flowering in July and continue until frost. Mixed colors only 20c each; \$1.25 per dozen.

**CALLIOPSIS**

Showy flowers in nearly every shade of yellow, orange, crimson and brown. Easy of culture, free flowering. 20c each; \$1.25 per dozen.

**CALENDULA**

These will flower from October to June. They are the most satisfactory winter flowering plant we offer. Produce beautiful double yellow blossoms or orange. We can furnish them in both colors. 20c each; \$1.25 per dozen.

**CENTAUREA**

This class of plant embraces the well known cornflower and Sweet Sultan. Plants set out in the Fall will produce spring flowers, and those planted in the late Spring will produce flowers in the Fall. 20c each; \$1.25 per dozen.

**CYANUS** (Bachelor's Button)—We can furnish these in blue, pink and rose. They are a most satisfactory cut flower.

**IMPERIALIS** (Sweet Sultan)—These produce large thistle-like flowers in beautiful deep lavender. Free flowering and fine for cutting.





Zinnia

**MARGUERITE**—Sweet scented variety about the size of a carnation and pure white. Lasts well after cutting.

**SUAVEOLENS** (Yellow Sweet Sultan)—Produces large flowers in brilliant lemon yellow. Very hardy.

### DAISY

**AFRICAN LILAC DAISY** (Arctotis)—Flowers are large and showy white on upper surface and the reverse of the petals lilac blue. Wonderful for cut flowers, often lasting as long as ten days in water. 20c each; \$1.25 per dozen.

**AFRICAN ORANGE DAISY** (Dimorphoteca)—Extremely showy daisy with flowers 2½ inches across. Color is rich glossy gold. Prefer a sunny situation. 20c each; \$1.25 dozen.

### MARIGOLD

**DOUBLE FRENCH**—We grow the reddish brown variety which produces flowers about 1½ inches in diameter. They form compact symmetrical bushes which during the Fall months are literally smothered with flowers. 20c each; \$1.25 per dozen.

**AFRICAN MARIGOLD**—Flowers often measure 3 inches in diameter. Have somewhat the appearance of a sponge. Produced on long stems in beautiful lemon yellow or orange. 20c each; \$1.25 per dozen.

### PANSIES

Pansy plants are on sale from October to June. For winter blooming they should be given the full sun, for summer blooming the shade. This is one of the most popular of all bedding plants, and our plants are all grown from a select strain of large flowering, long stemmed variety. 20c each, \$1.25 per dozen.

### PHLOX

Flowers are produced in large trusses on 12 in. stems in a great variety of colors. Flower from early spring to very hottest weather. In elevations of 4000 ft. or more they will bloom all summer. All colors mixed, 20c each; \$1.25 per dozen.

### PETUNIA

One of the best free flowering plants for the garden. Blooms practically the entire year. We can furnish the single variety in red, pink, purple, white or mixed. 20c each; \$1.25 per dozen.

**LANGERS GIANT RUFFLED PETUNIAS**—These beautiful flowers often measure as much as 3 inches in diameter; are beautifully ruffled and most strikingly marked as to coloring. Mixed colors 25c each; \$2.00 per dozen.

**LANGERS DOUBLE PETUNIA**—The blossoms of this variety often resemble carnations. They are very double and come in a most beautiful assortment of colors. 25c each.

### SALVIA (SCARLET SAGE)

Flowers are produced on spikes, and color is a brilliant dazzling red. Fine for bedding outside, also make good house plants. Summer flowering. 20c each; \$1.25 per dozen.

### STOCKS OR (GILLIFLOWER)

Plants grow about 1 ft. high, making compact bush covered with beautiful spikes. Blooms in white, pink, lavender, red, rose and yellow. Plants set out in October will flower from January to June. In higher elevations will flower all summer. Very fragrant, easily cultured and one of the best winter flowering plants. On sale from October to May. Plants in any of the above colors, or mixed. 20c each; \$1.25 per dozen.

### ZINNIAS

Finest of all summer flowering plants. We grow only the very large double dahlia flower variety. Plants on sale from February to June. They bloom freely from June till killed by frost. We can furnish plants in red, white, yellow, bronze, pink. 20c each; \$1.25 per dozen.

**VINCA ROSEA**—Upright growing plant with light shiny leaves bearing small pink flowers all summer and fall. One of our best flowering summer plants. 20c each; \$1.25 per dozen.

**KOCHIA** or **SUMMER CYPRESS**—Splendid ornamental annual plants forming dense oval bushes 2 to 4 ft. high, with some feathery light green foliage, changing to a fiery red in the fall. Known often as Mexican Burning Bush. 25c each; \$2.50 per dozen.

**PAINTED DAISY** or **ANNUAL CHRYSANTHEMUM**—These produce a profusion of very lovely daisy-like flowers which are zoned in many contrasting colors. Fine for cutting. Ready in October and November. Plant in sunny situation. Grow to a height of 2½ ft. 25c each; \$2.50 per dozen.

### ANNUAL CLIMBING AND TRAILING PLANTS

We offer these for those who want annual climbers for very quick shade. They are sturdy, strong, healthy plants in 3 in. pots. Price 25c each; \$2.50 per dozen.

**SCARLET RUNNER BEANS**—Very fast growing climber for porch or trellis. Large leaves, covered with wealth of brilliant red flowers.

**CANARY BIRD FLOWER**—Grows to a height of 8 ft. Graceful and pretty foliage, and small yellow flowers.

**COBAEA SCANDENS**—Climbing annual with large leaves and bell-shaped flowers. Blossom is a purplish blue. Will grow 30 ft. in a season. Native of Mexico.

**GOURDS**—Produces luxuriant foliage of a coarse nature. 15 to 20 ft. Produces curiously formed and marked fruits. Mixed plants only.

**HYACINTH BEAN**—Splendid climber producing an abundance of purple and white flowers. Grows 20 ft. in a season.

**MOON FLOWER**—One of the most vigorous of all summer climbers, growing as much as 30 to 50 ft. Produces a dense mass of leaves studded every night or cloudy day with beautiful wax-like flowers. Very fragrant. We can furnish these in either blue or white.

**MOMORDICA** (Balsam Pear)—Grows 10 ft. in a season. Foliage very ornamental, producing golden yellow fruit which when open has a brilliant crimson interior.

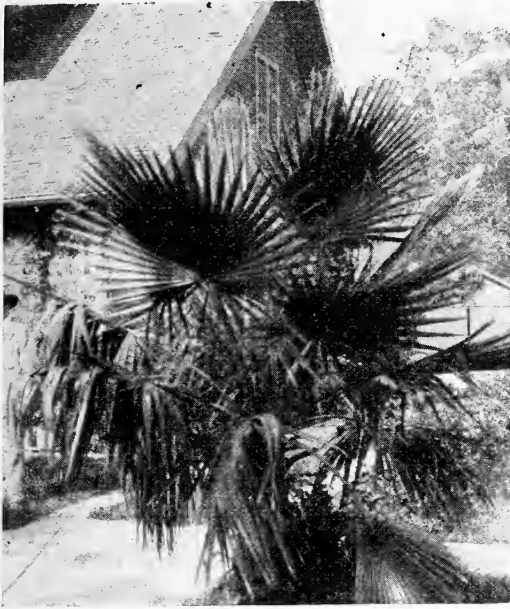
**MORNING GLORY**—Grows from 15 to 20 ft. in a season. Produces an abundance of brilliant flowers which open early in the morning. Mixed colors.

**MORNING GLORY** (Heavenly Blue)—Same as above except that they are covered with an abundance of sky-blue flowers much larger than the ordinary morning glory.



Morning Glory

# PALMS AND GRASSES



## CHAMAEROPS (WIND MILL PALM)

Has tall hairy trunk with compact crown of stiff deeply cut leaves at top. Requires small space. Very slow grower. Gallon containers \$1.50 each.

## COCOS PLUMOSA

**QUEEN PALM**—Has small slender, smooth trunk, topped with plume-like foliage, graceful leaves. 4-5 ft. \$5.00 each.

# FERNS AND POTTED PLANTS

## ASPARAGUS PLUMOSUS

Has handsome dark green lace-like foliage. Grows bushy in pots, but when in the ground and partially shaded forms tall spray. 5 in. pots \$1.50 each; 4 in. pots, \$1.00 each; 3 in. pots 50c each; 2 in. pots 25c each; \$2.50 per dozen.

**ASPARAGUS SPRENGERI**—Desirable either for potted plants or hanging baskets. Very hardy and easily grown. Withstands the full sun better than any plants we have, making it very valuable for porch plants or window boxes. Slightly sensitive to frost, requiring some covering on our coldest winter nights. 12 inch hanging baskets, \$7.50 each; 10 in. baskets \$5.00 each; 8 in. \$3.50 each; 5 inch pots, \$1.50 each; 4 inch pots \$1.00 each; 3 inch pots 50c each; 2 inch pots 25c each.

## ASPIDISTRA

For hardiness and general utility this is the finest plant of all. Fine for dark porches or dark hall-ways, hotel lobbies, etc. Foliage very dark green, the leaves about 2 ft. long and 2 in. wide, upright. 5 inch pots \$4.50 each; 6 inch pots \$5.00 each.

## BOSTON FERN

Has long broad arching fronds. It is the most outstanding of this type. Foliage dark green and graceful. Large full plant, 6 in. pots \$3.50 each; 5 in. pots \$2.00 each.

## BEGONIAS

These beautiful little plants bear dark green glossy foliage and beautiful wax-like pink or red blossoms. Very hardy house plant. 4 inch pots, \$1.00 each.

## COLEUS

This plant is known for its beautiful foliage which comes in many colors, red mostly predominating. Leav-

## CYCAS (SAGO PALM)

**CYCAS REVOLUTA**—The round stem or bulb is crowned with dark green feather leaves, shaped like an ostrich plume. \$2.50 each.

## KENTIA

**KENTIA FORSTERIANA**—The most beautiful palm for indoor decoration. Can be planted outside. Dark green foliage on graceful arching branches. 5 in. pots 30 in. in height \$4.00 each.

## PHOENIX (DATE PALM)

**PHOENIX CANARIENSIS**—Ornamental date palm. By far the best of all the palms for Arizona and the Southwest. Grows faster than any other variety. Is very hardy. One of the best for street, park, or lawn. Boxed 5-6 ft. \$7.50 each; 4-5 ft. \$5.00 each. 5 gallon containers \$3.00 to \$4.00. One gallon container \$1.50.

**PHOENIX ROEBELINI**—Small growing palm of the Phoenix type. Very delicate and graceful. Does best inside. 6 in. pots \$4.00 each.

## WASHINGTONIA (FAN PALM)

**WASHINGTON FILIFERA**—This palm is native to the desert regions. Grows very tall. Trunk is surmounted with large fan-shaped leaves. Gallon containers \$1.00 to \$1.50 each. 5 gallon containers \$2.50 to \$5.00 each.

## DRACAENA

**DRACAENA INDIVISA**—Has sword shaped arching leaves born in a cluster at the top of a rather slender trunk. Very decorative, especially around house of Spanish type architecture. Gallon containers \$1.50 each.

## PAMPAS GRASS

Forms a large clump of grass-like leaves, and in the fall bears great silvery blooms, which last for many months. Can be furnished in either white or very pale pink. White is much the prettier. Gallon containers \$1.50 each.

## YUCCA

**YUCCA PENDULA**—Decorative plant for out-door or porch use. Its head of green leaves with fountain like effect give it a tropical appearance. 10 in. containers \$3.00 each.

es are striped and variegated. We can furnish both the trailing and up-right plants. 5 in. pots, \$1.00 each; 4 in. pots 75c; 3 inch pots, 50c; 2½ in. pots 25c; \$2.50 a dozen.

## CYCLAMEN

The most beautiful of all winter flowering house plants. Sometimes called Persian Lilac. 5 inch pots \$2.50 each; 4 inch pots \$1.50 each.

## RUBBER PLANT (FICUS ELASTICA)

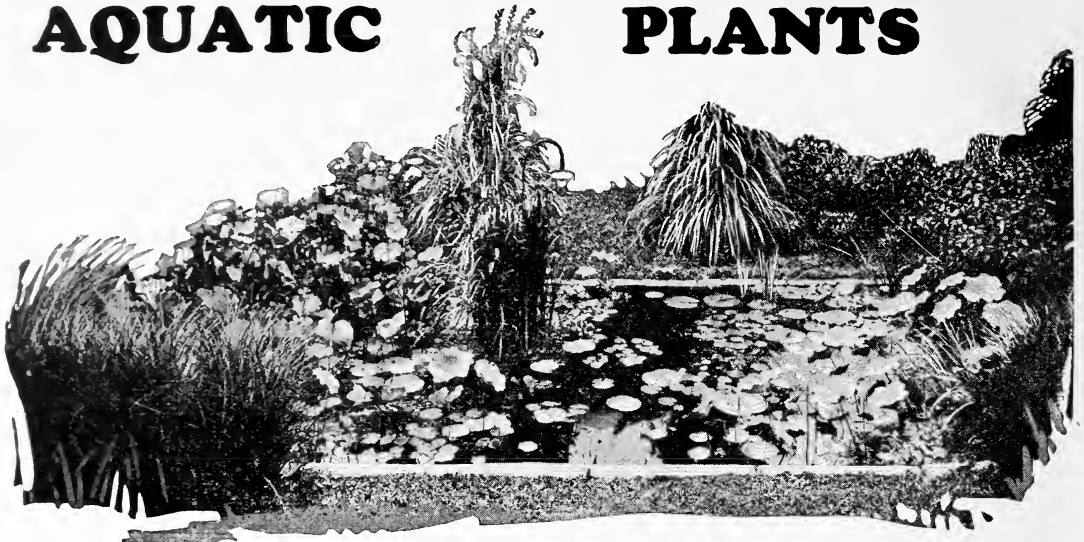
Very hardy house plant, with long glossy green leaves. 5 in. pots, \$2.50 each; 4 in. pots \$1.50 each.



Ferns

# AQUATIC

# PLANTS



Today no home is complete without its pool of water lilies and aquatic plants. The building of the pool is very easily accomplished and can be most inexpensively done. The average pool should be 30 in. deep. A good compost of soil should be placed in the bottom of the pool to the depth of from 6 in. to 1 ft. as each plant has a leaf spread of about 3 square feet, it is best, but not necessary, to have a separate container for each water lily. A single plant should go in a box 2 ft. square and 1 ft. deep. Plants should be set with the crown just even with the surface of the soil and then covered with an inch of sand and gravel.

## HARDY WATER LILIES

**BLUE BEAUTY**—Blooms continuously almost all summer. Color is the blue of the summer sky. Beautiful golden stamens. A day blooming variety. \$2.50 each.

**COMANCHE**—Opens a rich apricot, changing to a copper bronze with orange stamens. Blooms above the water. \$5.00 each.

**CHROMATELLA**—Petals are a canary yellow. The foliage beautifully marbled in green and brown. \$2.00 each.

**EUGENE DE LAND**—Flowers are extra large. Floating. Colors a beautiful shade of deep rose-pink with yellow stamens. \$1.50 each.

**GLORIOSA**—The bloom is a bright red, often 6-7 inches across. Blooms very freely and is one of the best. \$5.00 each.

**GRACILIAS ROSEA**—Flowers are a rose-pink and star shaped. A fine day bloomer. \$2.00 each.

**JAMES BRYDON**—Produces mostly crimson flowers 4-5 inches in diameter. Foliage is dark red with bronze tints. \$3.00 each.

**JUNO**—Beautiful white variety with blooms 8-10 in. in diameter. Developed from the sacred white Lotus. \$3.00 each.

**MARMARATA**—Flowers are a beautiful lavender-blue of large size and produce very freely. \$3.50 each.

**MARLIAC ROSE**—Sepals in the flower's center are a deep pink shading to a delicate rose at the petals' tops. Fine variety for cutting. Large and fragrant and lasting. \$2.50 each.

**MARLIAC WHITE**—A vigorous variety with large flowers of sparkling whiteness, with sepals of flushed pink. Continuous bloomer. \$1.50 each.

**MRS. C. W. WARD**—Petals of a rich rose-pink, illuminated by a mass of golden stamens. \$2.00 each.

**PANAMA PACIFIC**—A rich rosy red shading to reddish purple when fully opened. \$3.00 each.

**PAUL HARIOT**—A novel lily with flowers on first day opened a clear yellow, orange pink on the second day, changing to almost red thereafter. Large blooms. \$4.00 each.

**ROSE AREY**—Flowers are a deep cerise pink standing 8 inches in diameter. Blooms freely and is a strong grower. \$3.00 each.

**RUBRA ROSEA**—This variety often has 5 to 8 blooms open at one time. Color is a rosy carmine. The blooms are star shaped. \$1.50 each.

**STELLA GURNEY**—Flowers are large, star-shaped, and a beautiful shade of light pink. \$2.00 each.

**SUNRISE**—A glorious yellow flower, attaining the size of 8 or 9 inches. The leaves are egg-shaped, deep green above and red flecked below. It is the outstanding yellow variety. \$7.50 each.

## EGYPTIAN LOTUS (NELUMBIUM SPECIOSUM)

The true flower of the early Egyptians, possessing a strange haunting fragrance. Blossoms are an attractive pink. Very hardy and blooms freely. \$2.00 each.

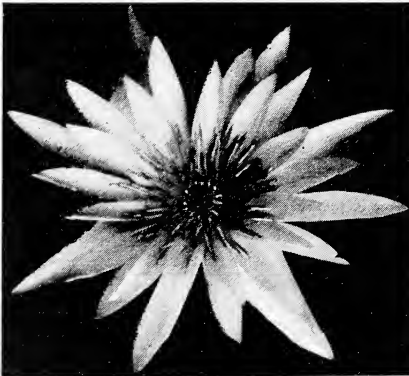
## FLOATING PLANTS

These grow and bloom merely floating on the surface.

**SALVINIA**—Dainty leaves of soft green, covered with a velvety nap of tiny hairs, forming an attractive chain of leaves about 1/4 inch in diameter. 50c each.

**WATER HYACINTH**—Glossy dark green leaves, stems of which expand into pseudo bulbs. The orchid like flowers resemble Hyacinths. 25c each; 3 for 50c.

**WATER CHESTNUT**—Has mottled leaves bearing small white flowers. 75c each.



Water Lily—Stella Gurney

## SHALLOW WATER PLANTS

These are to be planted around the edge of the pool where the water is only from 2-8 inches deep.

**ARROWHEAD DOUBLE FLOWERING**—Arrow shaped leaves standing from 1-3 ft. above the water, bearing white double flowers. 50c each.

**BOGBean**—Bears fragrant white flowers, borne on a stout stalk, fringed with pink, 25c each.



**CAT-TAIL**—Well-known swamp plant. Fine for background. 50c each.

**FLOATING HEART**—Produces brilliant yellow flowers quite freely. 25c each.

**PARROT FEATHER**—Valuable for training over a fountain or the edge of a pool. 25c each.

**PICKEREL RUSH**—Bears blue flowers, growing to the height of about 2 ft. 50c each.

**SPIDER LILY**—Produces fragrant white flowers. Petals give the plant a spider-like effect. 50c each.

**DWARF SWEET FLAG**—Miniature flag, 6-10 in. high, with green and white stripes. 50c each.

**WATER AMARYLLIS**—Produces white bell flowers in clusters of six or eight. 50c each.

**WATER ARUM**—Has spear-like leaves with flowers resembling the Calla Lily. 50c each.

**PURPLE WATER HYACINTH**—A climbing plant minus the floating bulbs of the ordinary water Hyacinth. Has prettier blooms. 50c each.

**WILD CALLA**—Resembles the Calla Lily. Bloom is smaller. 25c each.

## BOG PLANTS

For planting around the edge of the pool or in boxes or pots of soil just inside the pool, so that part will be above the water and part under the water. These plants like wet feet but will not swim or wade.

**GOLDEN CALLA**—Yellow flowering Calla Lilies, with large flowers. \$1.00 each.

**JAPANESE TARO** (*Colocasia antiquorum illustris*)—Leaves are blotched dark brown and black. Grows to a height of 4-5 ft. \$1.00 each.

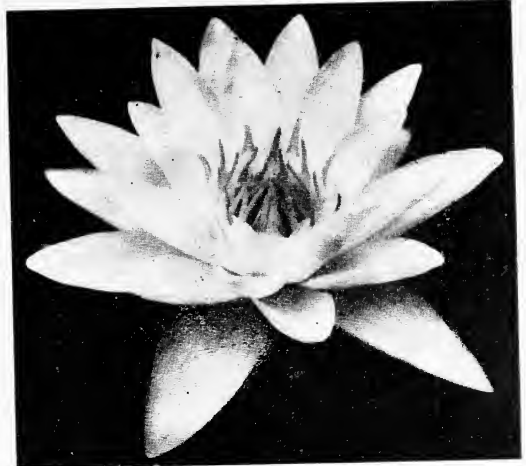
**LOBELIA CARDINALIS**—Very attractive plant. Bears spikes of rich, fiery, cardinal flowers. \$1.00 each.

**PAPYRUS or EGYPTIAN PAPER PLANT**—Has triangular stalks, obtaining the height of 5-8 ft. 50c each.

**PRIMROSE WILLOW**—Erect plants are 2-3 ft. high, with attractive narrow foliage and bright yellow blossoms. 50c each.

**UMBRELLA PALM**—Grows well in small pools or moist ground. 50c each.

**DWARF UMBRELLA PALM**—A dwarf variety. Fine for aquariums. 50c each.



Water Lily—Juno

## GOLDFISH

Every lily pool should be well stocked with a beautiful assortment of goldfish.

**COMETS**—Beautifully colored fish with long graceful fins and tails. 50c to \$1.00 each.

**JAPANESE FANTAILS**—Gold, white, and black markings, with a beautiful fringed tail. \$1.00 to \$2.00 each.

**CALICO FISH**—Coloring is blue, black, red, and gold. 50c to \$1.50 each.

**CHINESE MOORS**—Coal black fish. Unusually long graceful tails. \$2.00 to \$3.00 each.

**NYMPHS**—Short, thick gold fish, with plain tails. Most attractive. \$1.00 to \$2.00 each.

# ARIZONA CACTUS

**SUNSET CACTUS** (*Mamillaria grahami*)—Dainty plants a few inches tall with slender hooked spines, star-shaped magenta flowers and bright red club-shaped fruits. 50c to \$2.00 each.

**MILK CACTUS** (*Mamillaria macdougalii*)—Plants nearly flat on the ground and a few inches across, with short spines and yellow flowers. When injured the plant exudes a thick, white milky juice pleasant to the taste. \$1.00 to \$2.00 each.

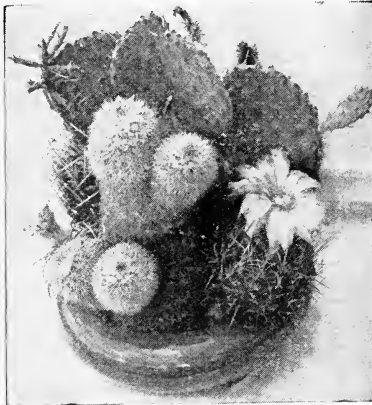
**PINCUSHION CACTUS** (*Mamillaria radiosa*)—Small plants nearly globose often forming clumps, with dark brown spines and large rose purple flowers. Single plants, 50c to \$1.50 ea. Clumps, \$2.50 to \$5.00 each.

**MAMILLARIA RECURVATA**—Plants of the pincushion type, nearly globose and several inches across, spines stout and recurved. Often several plants in a clump. Clumps, \$1.00 to \$3.00 each.

**RAINBOW CACTUS** (*Echinocereus rigidissimus*)—One of our handsomest cacti with a single stem several inches tall and the spines in bands of many colors, comb-like and closely pressed to the stem. Flowers large light rose purple. \$1.00 to \$5.00 each.

**STRAWBERRY CACTUS** (*Echinocereus fendleri*)—With several stems about a foot tall from one base, the spines long, slender, spreading. Flowers 2 to 3 inches long, bright rose purple. Ripe fruits smooth, purple red, edible with taste resembling strawberries. \$2.50 to \$5.00 each.

**STRAWBERRY CACTUS** (*Echinocereus fendleri*)—Similar to the last but with darker spines, darker purple flowers, and smaller fruits also edible. Very attractive in gardens. \$2.50 to \$5.00 each.



**BISNAGA** (*Echinocactus wislizeni*)—Plants 1 to 4 feet tall and a foot or more in diameter. Main spines long, stout, rough, resembling a fish hook. Flowers showy, orange or red. One of the cacti from which cactus candy is made. \$1.50 to \$5.00 each.

**NIGGERHEAD** (*Echinocactus leconteii*)—Similar to the last but the stout hooked spines bent close to the plant forming an impenetrable coat of mail. \$1.50 to \$5.00 each.

**SAHUARO** (*Cereus giganteus*)—The State Flower of Arizona and a cactus tree growing 30 to 50 feet tall. Flowers waxy white, opening at night. Fruit of the size and shape of an egg, edible and luscious. Most unique of cacti, 8 to 10 in. \$2.50 each, 12 to 18 in. \$5.00 each. Prices on larger sizes on application.

**NIGHT-BLOOMING CEREUS** (*Cereus greggii*)—Plants with slender, angular dark colored stems resembling a dead stick; root large, fleshy. Flowers 7 to 9 inches long, 4 to 6 inches across. Our first native flower. \$3.00 each.

**REINA DE NOCHE** (*Cereus serpentinus*)—Plant with serpent-like spiny stems climbing some and flowers similar to the last. This is a choice night blooming cereus and very desirable. \$1.50 to \$3.50 each.

**BEAVER TAIL** (*Opuntia basilaris*)—A cactus with flat, pear shaped, purplish joints without spines and with gorgeous bright purple flowers. A very interesting kind of cactus. \$1.50 to \$3.50 each.

**PURPLE PEAR** (*Opuntia santa ritae*)—A handsome rather erect plant with flat purple joints, few spines, and large light lemon yellow flowers. \$3.00 to \$5.00 each.

**DWARF PEAR** (*Opuntia franciscana*)—A prickly pear growing only a few inches tall, with fleshy roots and bright yellow flowers. Not injured by many degrees below zero. \$1.50 to \$3.00 each.

**MISSION PEAR** (*Opuntia castillae*)—A spineless pear growing 15 feet tall with large pear shaped joints. Common about missions in southern Arizona and California. The fruit is edible. \$1.50 to \$3.50 each.

**JUMPING CHOLLA** (*Opuntia fulgida*)—A tree like cactus with fleshy stems bristling with white spines and showy rose purple flowers. The plants are loose jointed and the joints easily become attached to one's clothing or shoes. \$2.00 to \$5.00 each.

**SPINY CHOLLA** (*Opuntia spinosior*)—One of the cane cacti and a dwarf tree with short trunk and numerous branches. Flowers of many colors varying from orange or yellow to red, purple and maroon. Very attractive in gardens. \$2.00 to \$5.00 each.

**OCOTILLO** (*Fouquieria splendens*)—Shrub 12 feet tall with stiff spiny stems clothed with green leaves and tipped with large flaming red flower clusters. Fine for rock gardens. \$3.00 to \$5.00 each.

**PARRY'S MESCAL** (*Agave parryi*)—Similar to the last but the leaves shorter and broader and the flower clusters larger. Very hardy, enduring several degrees below zero. \$2.00 to \$5.00 each.

**PALMER'S MESCAL** (*Agave palmeri*)—Similar to the last but the stems and leaves smaller. Very hardy. \$2.00 to \$5.00 each.

**CENTURY PLANT** (*Agave americana*)—Plants with green or striped leaves and stems 12 to 20 feet tall bearing candelabra-like yellow flower masses. Excellent for rock gardens and a very striking plant. \$1.50 to \$5.00 each.

**TOM THUMB AMOLE** (*Agave parvifolia*)—The smallest of our agaves with leaves a few inches long and stems 3 to 5 feet tall. Flowers very small. Desirable for small rock gardens. \$2.00 to \$4.00 each.

**YUCCA WHIPPLEI** (Spanish Bayonet)—Leaves narrow, glaucous green. Flowers borne on stalk 8 to 15 feet high with as many as six thousand flowers on a single stalk. Flowers pendulous, creamy white and of waxy appearance. \$2.00 to \$5.00 each.

Cactus in assortment. Gift boxes of assorted small cactus, our selections, \$2.50 to \$5.00 each.

**INDIAN POTTERY**—Attractive Indian bowls, just the thing for cactus arrangements, \$1.50 to \$2.50 each.

**SANSEVIERIA**—A very hardy house plant with thick sword like green leaves mottled with a light yellow. This is highly recommended for potting, or as attractive addition to indoor Cactus bowls. In 4 inch pots, \$1.50; 5 inch pots \$3.00.

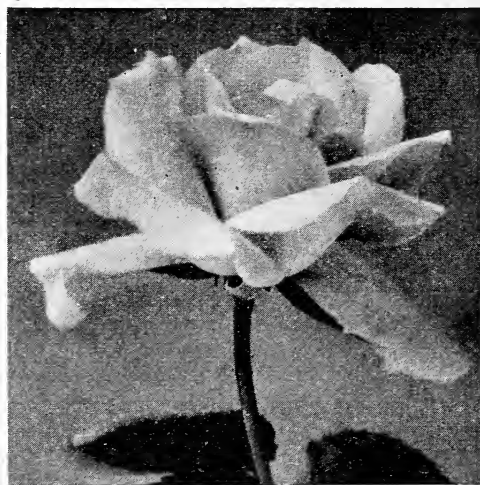
# Rose Collections

## LANGER'S RAINBOW COLLECTION OF ROSES

Golden Emblem, yellow .....	\$0.75
Hoosier Beauty, dark red .....	.75
K. A. Victoria, white .....	.50
Los Angeles, salmon pink .....	.75
Radiance, dark pink .....	.50
Sunburst, copper .....	.75

Total value .....\$4.00

Collection price for the 6, \$3.25, postpaid.



## LANGER'S ROSE GARDEN COLLECTION OF NEW ROSES

Olympiad, copper .....	\$2.50
E. G. Hill, red .....	1.50
Joanna Hill, yellow .....	1.50
Talisman, orange .....	1.00
Premier Supreme, pink .....	1.25

Total value .....\$7.75

Collection price for the 5, \$6.00 postpaid.

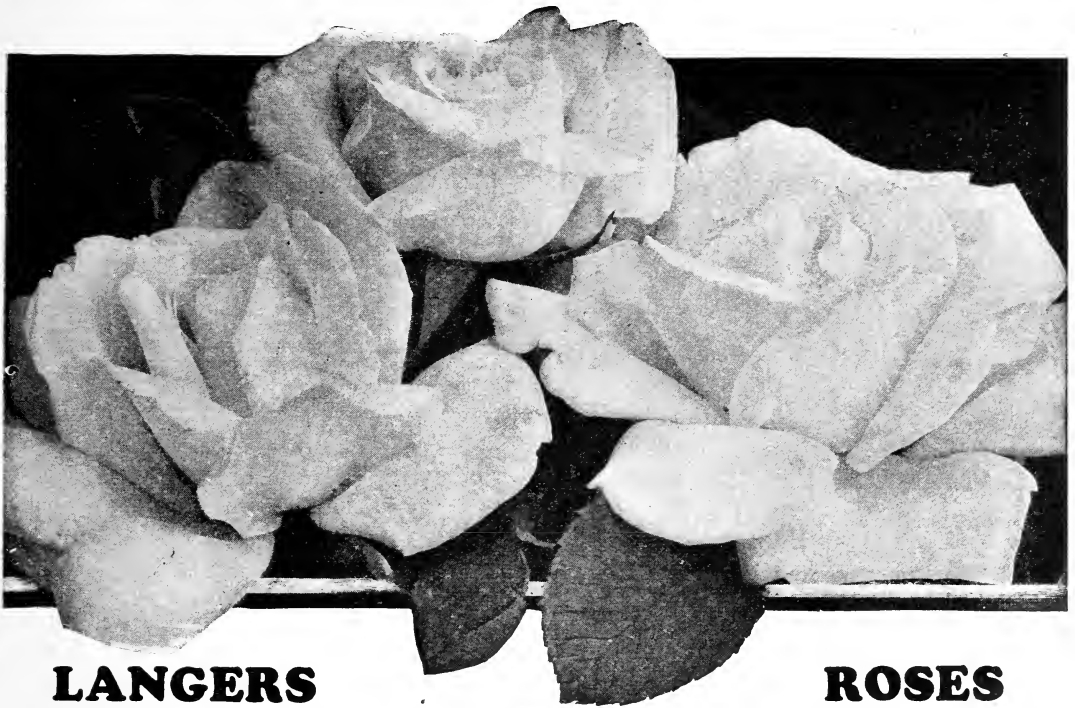
### EXTRA SPECIAL

We have a limited supply of pot grown Bush Roses, which will bloom this year if planted early. Only varieties adapted to our climate are included in this group and we can suggest no more economical way of starting a rose garden than with a collection of these plants.

Our selection—6 for \$1.25 or \$2.50 per dozen, postpaid.

### COLLECTION OF CLIMBING ROSES

Any 6 climbing roses listed at 75c each on page 36 will be postpaid to your door for \$3.75; 12 for \$7.50.



## LANGERS

**PLANTING**—The Rose delights in an open, airy situation, and will succeed in any ordinary soil. However, if the soil is of very poor quality it would be well to enrich it with well-rotted vegetable matter. Manure should never be placed in the hole in which the bush is planted. More Roses are killed by the use of manure than in any other manner. When the bush is planted press the soil firmly about the roots. Make a good sized basin around the plant and water freely to exclude air and to settle earth.

The best time to plant roses is during the months of January, February and March. During this period we ship them dormant. During the balance of the year we can furnish them in gallon containers in good growth for an additional charge of 25c a plant.

**PRUNING**—This operation is best performed during the dormant season. It is advisable to remove one-third to two thirds of the past year's growth, and all weak or decayed wood should be entirely cut away. Most people are apt to prune too sparingly, which retards the free blooming of their plants. It is always the new growth which gives flowers.

**SUBSTITUTION**—Unless advised that we must not do so we will substitute on any variety which may be sold out. We will always exercise great care in making substitutions to give roses of as nearly the same type and color as possible.

## NEW AND OUTSTANDING ROSES

**OLYMPIAD**—Flaming Carmine suffused and blended toward the base of the petals with warm orange. Flowers are large and fully double, the buds are large, even in summer and are produced freely. Foliage is clean, gossy and entirely free from mildew. Each \$2.50 post-paid.

**PRESIDENT HOOVER**—This new rose named for the President with his consent, is a happy blend of orange and pink, varying in tone from coppery red in the bud to glowing orange yellow at the base of the petals and suffused with vivid rose pink. It is most attractive in all stages of the bloom from bud to fully opened flower. Healthy, of vigorous growth, rigid stems, long pointed buds with hybrid tea foliage. Each \$2.00.

**E. G. HILL**—A wonderful new red rose of great merit. The largest red hybrid tea yet produced. Flower is dazzling scarlet shading to deeper pure red as it develops. It is a great producer and an unusually good keeper. Long stems and free bloomer. Each \$1.50.

**JOANNA HILL**—A marvelously free bloomer, with wonderful keeping qualities. Color is a clear yellow deepening to orange at the center. Each \$1.50.

## ROSES

**TALISMAN**—Color is a mixture of orange and scarlet in irregular proportions. Fairly double blossoms borne on long stems, very sweetly scented. Each \$1.00.

**PREMIER SUPREME**—Very strong in growth and stem, with wonderful foliage. Bloom is deep rose in color, the bud full and rounded is also long and pointed. Each \$1.25.

**LADY MARGARET STEWART**—Buds are deep yellow splashed and veined with orange-scarlet, full flower opens to a cadmium yellow. Flower is fragrant and foliage and stems are excellent. Each \$1.00.

**MARGARET MCGREDDY**—A brilliant and glorious orange scarlet or brick red, the stout buds opening to a large full flower. Deep green foliage and upright growth. Each \$1.00.

## NEW AND STANDARD VARIETIES

**AMERICAN BEAUTY**—In our opinion this still ranks head and shoulders above all other roses for Arizona growers. It is in constant flower from early spring until frost in the fall. The bloom is large, globular deep pink shaded carmine. Very fragrant. Can be cut when the tiny buds are just showing color and will open to a gorgeous blossom in water. Each 50c.

**CECILE BRUNNER**—The popular pink baby rose. Produces flowers in sprays of from three to five. Color blush shaded with light salmon pink. 75c each.

**DAME EDITH HELEN**—A pure pink, beautiful in bud, very full when in bloom. Free bloomer and delightfully fragrant. \$1.00 each.

**ETOILE DE FRANCE**—Blossoms a very beautiful shade of velvety red crimson. Very large, fragrant, and keeps well after cutting. 75c each.

**GENERAL MCARTHUR**—Crimson scarlet, free blooming, large double fragrant blossom. 75c each.

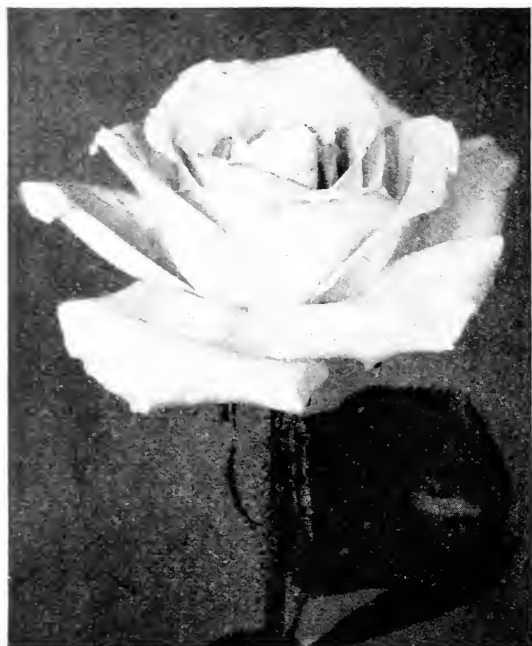
**HADLEY**—Brilliant rich crimson of vigorous growth, long stems, full blooms and richly fragrant. Mildew proof. 75c each.

**GOLDEN EMBLEM**—Produces long buds of golden yellow, beautifully tinted with crimson on the outer petals. Opens to a full golden yellow. Does not mildew. Buds are born on long stiff stems. Grows vigorously. 75c each.

**K. A. VICTORIA**—Pure ivory white, the best of all white roses. Blooms freely and continuously. Beautiful in bud or open flower. 50c each.

**LOS ANGELES**—Blooms flame pink toned with coral. Very distinct in color, and free flowering. 75c each.

**MAMAN COCHET**—Finest rose for cut flowers. Color light pink, shaded with salmon yellow, outer petals splashed with bright rose. Extremely large and full. Price 50c each.



Premier Supreme

**MME. BUTTERFLY**—This is a sport of the popular Ophelia possessing all its good characters enhanced with deeper apricot shadings on a background of deeper pink. Each 75c.

**RADIANCE**—Color silver pink shaded with rose. Produces large globular shaped blooms. Always in flower. 50c each.

**RED RADIANCE**—Color a clear red. Blooms globular. Free flowering. One of the most satisfactory reds. 50c each.

**SOUVENIR DE CLAUDIUS PERNET**—Very beautiful clear yellow, holding its color at all times. Beautiful in bud and open flower with wonderful keeping qualities when cut. Foliage lustrous green. 75c each.

**SUNBURST**—Beautiful blending of copper and yellow with orange center. The sunburst will never lose its charm. 75c each.

### CLIMBING ROSES

**CHAPLIN'S PINK CLIMBER**—A new climber of special merit. The vines are vigorous and the lively pink flowers are borne in profusion. Each \$1.50 postpaid.



Chaplin's Pink Climber

**BELLE OF PORTUGAL**—Extremely large flowers of a delicate soft pink color tinged with salmon. Very long well-shaped buds. Very vigorous grower and is most floriferous after becoming thoroughly established. 75c each.

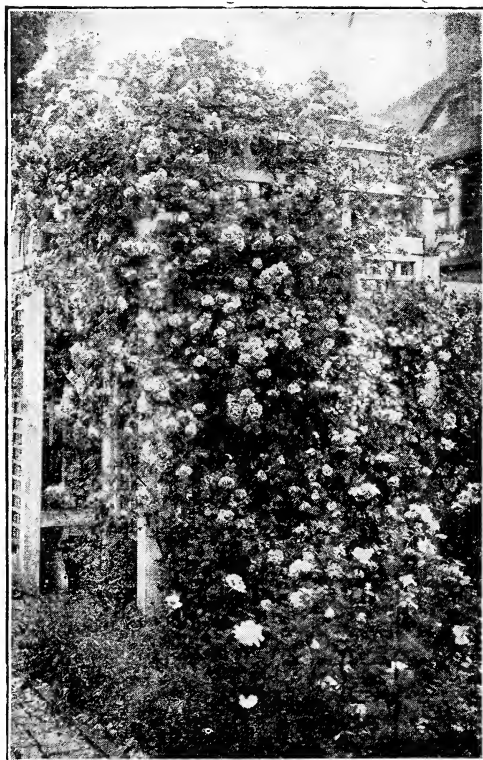
**CLIMBING AMERICAN BEAUTY**—Resembles its parent in every respect. Bushes are a mass of bloom in the early spring months. Usually only blooms once. 75c each.

**CLIMBING CECILE BRUNNER**—Very strong hardy climbing rose. Does wonderfully well on the North side of a home. Flowers identical with the bush variety. 75c each.

**CLIMBING GENERAL McARTHUR**—Produces flowers scarlet, crimson shaded. Is an ever blooming climber. 75c each.

**CLIMBING HADLEY**—Flowers deep crimson, very fragrant. Vigorous climbing habits. Flowers are produced all summer. 75c each.

**CLIMBING K. A. VICTORIA**—White climbing rose with blooms large, deep and double. Best of all white climbers. 75c each.



Climbing Los Angeles

**CLIMBING LOS ANGELES**—Flowers a glorious flame pink. Blooms freely. Strong, vigorous climber. 75c each.

**CLIMBING MARECHAL NEIL**—An old and favorite climber. Produces lemon yellow blooms tinted pink. Highly perfumed. 75c each.

**PAUL'S SCARLET CLIMBER**—Flowers of intense vivid scarlet, semi-double. Produced in clusters of three to twenty blooms. Wonderful for pergolas, etc. Solid mass of bloom in the spring. 75c each.

**CLIMBING GOLDEN EMBLEM**—One of the newest yellow climbers. Very strong grower producing long canes, and having the same blooming qualities as its parent. \$1.50 each.

**CLIMBING RADIANCE (New)**—Climbing sport of pink rose. Grows to height of 10 ft. and produces flowers in wonderful profusion. 75c each.

**CLIMBING SUNBURST**—Produces deep golden-yellow buds. Bears continuously. Fine strong growing yellow climber. 75c each.

See our Rose Collections on Page 34



# GAVIOTA Garden and Lawn Fertilizer

A marvelous fertilizer for your Flowers, Vegetables, Fruits and Lawn.

Contains four to five times as much plant food as the very best of prepared animal manures. Moreover, it is all available; that is, it is prepared in advance for quicker digestion by the plants. Thus, an immediate result occurs. And that result is lasting.

**GAVIOTA FERTILIZER** is dry and easily applied.

It is not bulky and is, therefore, simple to handle. Too, it can be stored indefinitely without deteriorating in the least. And it contains no noxious weed seeds.

**GAVIOTA FERTILIZER** is ready for your use and for immediate and appreciable results, any time in the year. Complete directions how to use on every package. 3 lbs., 35c; 10 lbs., \$1.00; 100 lbs., \$6.00; Postage extra or express collect.

## VINES AND TRAILING PLANTS

**AMPELOPSIS QUINQUEFOLIA** (Virginia Creeper)—Large green leaves changing to brilliant scarlet in the Fall, and later dropping its leaves. 50c each.

**AMPELOPSIS VEITCHI** (Boston Ivy)—Most beautiful clinging vine. Brilliant green foliage changing to red and yellow in the autumn. Leafless for a time in the winter. 75c each.

**ANTIGONON Leptopus** (Rosa de Montana)—A beautiful climber which is a mass of rose pink flowers from early Spring to late Autumn. Freezes down in the winter but sprouts again in the spring. 75c each.

**BIGNONIA**—Radicans (Trumpet Vine)—A vigorous grower. Is free blooming, bearing long tubular orange colored flowers. Drops its leaves in winter. 75c each.

**BIGNONIA Tweediana** (Yellow Trumpet Vine)—Has many long slender shoots which cling to any surface. Evergreen. \$1.00 each.

**BOUGAINVILLEA** (Crimson Lake)—Has large green leaves and flowers which are borne in great profusion, are of the most brilliant crimson. Evergreen but tender. \$1.50 each.

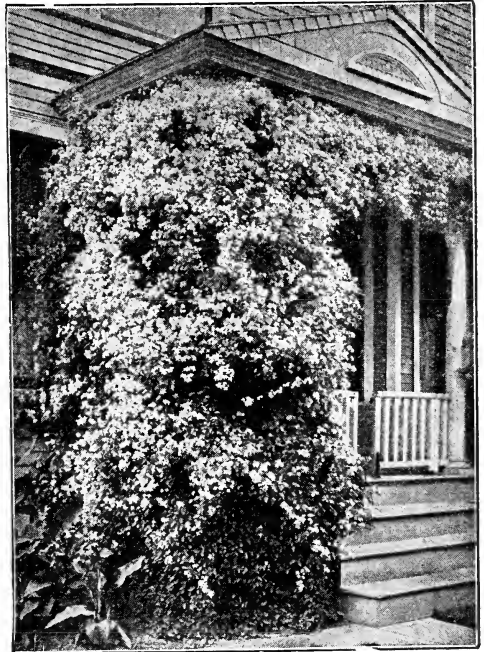
**CLEMATIS PANICULATA**—Vigorous, hardy and fine, often growing twenty-five feet in a season. Has thick, heavy foliage covered with a dense sheet of fragrant white flowers in the summer. 75c each.

**EVERLASTING SWEET PEA**—Perennial evergreen, vine bearing small sweetpea like flowers in the summer. Large field clumps \$1.00.

**FIGUS REPENS** (Fig Vine)—Has small heart shape leaves, very hardy thriving anywhere. Makes a close mat of foliage which clings to any surface. Evergreen 75c each.

**HEDERA HELIX** (English Ivy)—Dark green evergreen leaves. Will cling to the walls, thrives best on the north side. Large plants \$1.00 each. Small plants 25c each; \$2.50 per dozen.

**HEDERA HELIX VARIEGATA** (Variegated English Ivy)—Center of leaves light and dark green with creamy yellow margin. Plant in shady place. Gallon containers. \$1.00.



Clematis paniculata

### JASMINUM

**J. GRANDIFLORA** (Spanish Jasmine)—One of the best white flowering varieties. Vigorous and hardy. Does not mind heat. Intensely fragrant. Evergreen. Gallon containers. \$1.00. 4 inch pots, 50c.

**J. PRIMULINUM**—An excellent yellow flowering variety. Can be used for a vine or trained into a hedge. Blooms profusely in the early spring. Foliage very deep green. Gallon containers 75c; 4 inch pots 50c each, small plants, 25c each; \$2.50 per dozen.

**J. REVOLUTUM**—A half-climbing evergreen shrub fine for use against fences or filling in corners. Has yellow fragrant flowers all summer. Gallon containers 75c; 4 inch pots, 50c; small plants 25c each; \$2.50 per dozen.

### KUDZU VINE

This vine often makes growth of 40 to 60 ft. in one season. Produces large leaves and pea-shaped, purple flowers. Is a very hardy perennial. Each 35c; \$3.00 per dozen.

### LONICERA (HONEYSUCKLE)

**LONICERA JAPONICA HALLIANA**—Evergreen, vigorous climber. Flowers white, changing to yellow. Delightfully fragrant. Enjoys the full sun or will grow as well in the shade. Gallon containers 75c; 4 in. pots 50c; small plants 25c each; \$2.50 per dozen.

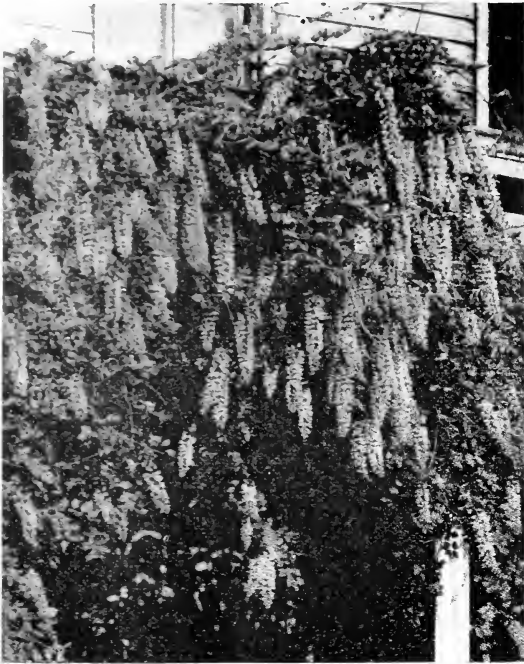
### MADERIA VINE

Very beautiful rapidly growing vine with thick dark green glossy leaves. Dies down in winter but bulbs sprout again the next spring. Bears fragrant white flowers. Large tubers 25c each.



Japan Honeysuckle





Wisteria

## ORNAMENTAL SHRUBS

**ABELIA**—Covered with dark, glossy evergreen leaves. Bears profusely. Small fragrant tube-like flowers, white on the inside, light rose on the outside. Gallon containers \$1.00.

**ALTHEA** (Rose of Sharon)—Bears flowers in great profusion and blooms freely from June to frost. Sheds leaves in winter. We can furnish these in white, pink and lavender. Height 12 ft. Bare root 4-5 ft. \$1.50; 2-3 ft. 75c.

**AREBUTUS**—Rich green foliage similar to holly. Bears small white bell-shaped flowers in the summer followed by clusters of red strawberry like fruits in the winter. Stands heat and cold. Evergreen. Gallon containers \$1.00 each.

**BIRD OF PARADISE** (Poinciana Gilliesii)—Beautiful shrub literally covered with blossoms of red and yellow, greatly resembling a bird. Extremely hardy and drought resistant, blooming in early spring and summer. Is one of the most attractive and ornamental shrubs we have to offer. Gallon containers 75c each.

**BUDDLEIA** (Butterfly Bush)—or "Summer Lilac". Bears long panicles of lavender flowers, silvery green foliage. Gallon containers \$1.00 each. Large plants \$4.00 each.

**BUXUX** (Japanese Box)—These make beautiful specimen plants for porch or lawn. Small dense dark green foliage. 2-3 ft. plants \$5.00 and \$6.00 each, in containers.

### COTONEASTER

**C. PANNOSA**—Foliage is soft grey-green covered with great masses of red berries which remain all fall and winter. Evergreen. 75c to \$1.50 each.

### EUONYMUS (EVERGREEN)

These can be used as potted plants or on a trellised porch, and can be trained to any size or shape. One of the most valuable evergreen shrubs for this section. Very easy to grow.

**E. JAPONICA**—Has dark green glossy foliage. Stands heat and cold, and is easy to grow. Fine for group planting or for single specimens. 4 in. pots 50c; Gallon containers, 75c to \$1.50 each.

**E. JAPONICA ALBO-MARGINATA**—5 ft. The leaves of this variety have a narrow margin of silvery white. Gallon containers, 4 in. pots 50c; 75c to \$1.50 each; Large plants \$3.00 each.

### PASSION VINE

A vigorous twining vine of loose open habit with beautiful flowers of an unusual structure. Large strong plants \$1.50 each.

**PLUMBAGO CAPENSIS**—Semi-climbing plant covered all summer with lovely clear light blue flowers. When not trained makes a large and attractive shrub. Large plants \$1.50 each.

**TECOMA CAPENSIS**—A half-climbing or nearly upright shrub bearing clusters of bright red flowers in the Fall and Winter. Foliage bright green, very attractive. Evergreen. \$1.00 each.

### VINCA (PERIWINKLE)

**VINCA MAJOR**—An evergreen trailer for banks, borders, baskets, window boxes; also used as a ground covering for shady places. Grows rapidly. 20c each; \$1.50 dozen.

### WISTERIA

**WISTERIA CHINENSIS** (Chinese Wisteria)—Flowers are blue, pendulous, and cover the vine in the spring. Drops its leaves in the winter. 75c each.

**WISTERIA CHINENSIS, Alba** (White Chinese Wisteria)—Same as above, except the flowers are white. Price 75c.

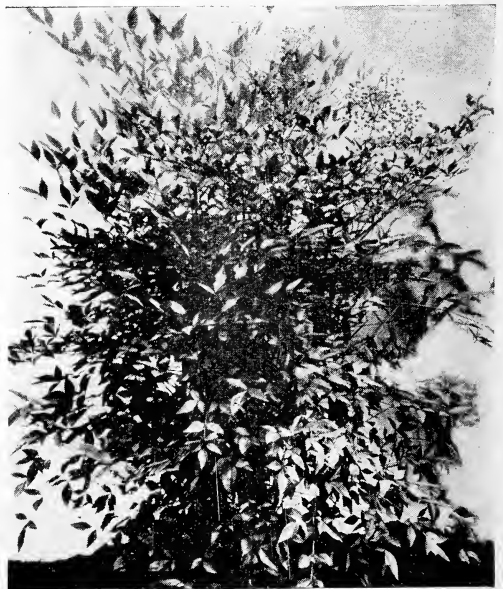
**HIBISCUS**—Hibiscus succeeds admirably in this country. Although they freeze down in the winter they sprout again in the early spring, and during the entire summer are covered with an abundance of most brilliant colored flowers from 3 to 5 inches in diameter. The blooms last but a day, but as fast as it fades another takes its place. They enjoy a sunny situation. Strong plants in 4 inch pots, \$1.00 each.

**E. JAPONICA AUREA-MARGINATA**—A dwarf compact variety. Leaves deep yellow blotched in the center with green. 4 in. pots 50c; Large plants 3-4 ft. \$4.00 each; Smaller plants, 75c to \$1.50 each.

**E. JAPONICA AUREA VARIEGATA** (Golden Variegated)—6 ft. Leaves are golden in center and dark green around the edges. Large plants \$4.00 each; 4 inch pots, 50c; Gallon containers, 75c to \$1.50 each.

### GENISTA

**G. FRAGRANS**—Delightful spring and summer flowering shrub, evergreen. When in bloom plant is covered with small pea-shaped yellow flowers. Specimen plants \$4.50 each. Gallon containers \$1.00 each.



Abelia

**G. HISPANICA** (Spanish Broom)—Strong fast-growing shrub with many slender bright green branches. Almost devoid of leaves. Bears large pea-like yellow flowers very sweetly scented. Gallon containers 75c to \$1.50 each.

### HYDRANGEA

**H. HORTENSIS**—Has large leaves. Bears masses of large head-like pink flowers shaded to blue. Sheds leaves in winter. Strong plants \$1.50 each.

### LAGERSTROEMIA (CRAPE MYRTLE)

**L. INDICA ROSEA**—One of the best and most beautiful of all flower-bearing shrubs. When in bloom is a dense mass of beautiful pink flowers. Large plants. Bare root \$1.00 each, Gallon containers \$1.50 each.

**L. INDICA RUBRA** (Red Crape Myrtle)—Resembles pink variety but makes a little smaller shrub and has flowers of a deep purplish-red color. Bare root \$1.00 each, gallon containers \$1.50 each.

### LANTANA

These beautiful shrubs are very free flowering, blooming almost all summer. When killed down by frost they grow again from the roots, making an attractive summer shrub 2-3 ft. in height. We can furnish these in orange, red, yellow, light pink, and the trailing variety in lavender. Gallon containers \$1.00; 4 in. pots 50c each; smaller plants 25c each; \$2.50 dozen.

### LEMON VERBENA

Produces minute white flowers in dense spikes. Foliage very narrow and very fragrant. Each 75c.

### LIGUSTRUM

**L. JAPONICUM** (Japanese Privet)—By far the best variety for hedges. Has large leathery dark green glossy leaves. Hardy and drought resistant. When planted singly makes beautiful evergreen shrubs. Five gallon container, 3 to 4 ft. bushy, \$1.50 each. Quart containers 40c each; Flats of 100, \$4.00 each.

**L. OVALIFOLIUM** (California Privet)—Bright green plants used a great deal for hedges. Drops part of its leaves in winter. 3-4 ft. plants bare root 50c each; \$4.00 for 10; \$30.00 for 100.

### MYRTUS

**M. COMMUNIS** (Roman Myrtle)—Valuable either for single specimens or grouping. Foliage is very shiny



California Privet



Crape Myrtle

green and highly aromatic. Succeeds very well in hot dry situation. Gallon containers \$1.00 each.

### NANDINA

**DOMESTICA**—Beautiful upright growing shrub. Rich red when young, dark green when matured. Foliage assumes beautiful copper tones in winter. Gallon containers \$1.00 each.

### NERIUM (OLEANDER)

The Oleander, with its brilliant showy blossoms is one of the most beautiful shrubs in Arizona. It gives a quick effect wherever planted. We can furnish it in white, pink or red. Large branched plants \$2.50 to \$3.00 each. Gallon containers \$1.00 and \$1.50 each.

### PITTOSPORUM

**P. TOBIRA**—Has wide spreading dense round head with large deep glossy green leaves. Fine for massing against a house or wall. In the winter is covered with fragrant white flowers resembling orange blossoms. Bushy plants 2-3 ft. \$3.00 each, gallon containers 50c to \$1.00 and \$1.50 each.

**P. VARIGATUM**—Variegated form of the above, foliage being green and white. 2-3 ft. plants \$3.00 each, gallon containers 50c, \$1.00 and \$1.50 each.

**P. UNDULATUM**—This variety grows to a height of 20 ft. Has deep green glossy leaves, bearing yellowish white flowers which are very fragrant. Gallon containers \$1.00 each.

**P. PHILLYRAEOIDES**—Small tree or shrub growing to a height of 20 ft. resembling a weeping willow. Entirely evergreen. It thrives in hot soils. In gallon containers \$1.00 each.

### POINSETTIA

Flower bracts bright red. This is a well-known Christmas flower. Does well in protected locations. 4 in. pots 75c each.

### POMEGRANATE

(Flowering)—Very handsome shrub with shiny green leaves and large, double, red flowers \$1.50 each.

**PUNICA NANA**—Dwarf evergreen variety growing about 5 ft. Flowers are orange scarlet with small crimson fruit. Very attractive. Gallon containers \$1.00 each.



Spirea Van Houttei

### PYRACANTHA (BURNING BUSH)

**ANGUSTIFOLIA**—Strong growing spreading plant with spiny branches producing great abundance of large

orange berries which cling to the plant all winter. Beautiful evergreen with long narrow grey-green leaves. Gallon containers \$1.00 each.

**P. CRENULATA**—This variety bears bright red berries scattered along the stems instead of in bunches. Leaves are long and narrow, glossy and dark green. Grows to the height of six to ten feet but can be pruned low. Gallon containers \$1.00; large plants 5-gallon containers \$3.50 each.

**P. YUNNANENSIS**—Dark glossy green foliage bearing masses of red berries. Height eight feet. Stunning evergreen. Gallon containers \$1.50 each; large plants 5-gallon containers \$3.50 each.

### SPIREA

**S. ANTHONY WATERER**—Bears rosy crimson flowers in great profusion in the early spring. Sheds its leaves in the winter. 18 in. to 24 in. \$1.50 each.

**S. VAN HOUTTEI**—Small shrub entirely clothed in beautiful white flowers early in the spring. Bare root 2 ft. 75c each.

### SYRINGA (LILAC)

(Mexican)—This is the only variety of lilac we can recommend for this section. The bushes grow 7 to 8 ft. tall and in the spring are covered with beautiful blooms of a purplish hue. Very fragrant. Plants will bloom first year. Foliage narrow and deep green. Sheds its leaves in winter. 4 in. pots 75c each. Field divisions \$1.50 each. Large field clumps \$5.00 each.

### VIBURNUM

**V. TINUS** (Laurustinus)—Beautiful flowering shrub bearing clusters of small flesh-colored blooms. Fine for grouping, single specimens or hedges. Evergreen. Gallon containers, large plants \$1.25 each.

## SHADE AND ORNAMENTAL TREES

Coniferous trees are evergreen, with needle-like foliage, such as cypress and pine.

Deciduous trees are those which shed their leaves in winter. They should be set out from January to March, inclusive, depending on the section of the country. The greater the elevation the later they may be planted.

The method of preparing the tree hole, especially in hard ground, such as caliche, is with the use of dynamite. By this method the ground is loosened for many feet around, thus allowing the roots to spread in every direction. In any case, the hole should be dug through the hard top-soil to the loose ground in order to provide the proper drainage. The hole should be from 4 to 5 feet in diameter, and the best soil obtainable should be used for filling. Under no circumstances should fresh new manure ever be placed in the holes. After the hole is about three-quarters filled with soil, water should be put in to settle the earth around the roots, then put in the remaining soil. Water should be applied often enough to keep the soil moist. However, care must be taken not to apply too much water, as this sours the ground and causes the roots to decay. A large basin must be made around each tree for irrigating.

We usually cut back the larger trees and they are ready to plant when you receive them. However we do not cut back the fruit trees or shrubs, and it is very important that these be pruned back from one-third to one-half before or immediately after planting.

### ARBORVITAE (THUYA)

These symmetrical hardy evergreens have dense flat branches, and are usually quite dwarf.

**THUYA ELEGANTISSIMA**—"Golden Pyramid Arborvitae". Grows to a height of about 15 ft. has broad bushy base. Green foliage tipped with attractive golden bronze during most of the year. Boxed 5-6 ft. \$6.00; 3-4 ft. \$4.00; In 5-gallon containers, \$4.50; 1½-2 ft. \$2.50.

**T. ORIENTALIS AUREA NANA** "Berckman's Dwarf Ever-golden Arborvitae"—Very dwarf habit, compact and symmetrical. Branches are tipped with bright golden tint. Fine for a porch plant in tubs, also nice for lawn specimens. 1½-2 ft. \$2.00; 2-2½ ft. \$3.00.



Thuya Elegantissima

**T. PYRAMIDALIS**—Grows to a height of 15 ft. Of upright narrow columnar habit. Dense foliage, bright green at all times of the year. Very fine for formal effect. Boxed 5-6 ft. \$6.00; 3-4 ft. \$4.00; in 5-gallon containers \$4.50; 1½-2 ft. \$2.50.

**ASH (FRAXINUS)**

**FRAXINUS VELUTINA** "Arizona Ash"—30 ft. Native Arizona tree desirable for planting in arid sections. Requires little water and thrives in alkaline soils. Drops its leaves in winter. 10-12 ft. \$2.50; 8-10 ft. \$2.00; 6-8 ft. \$1.50; 5-6 ft. \$1.00 each.

**CAROB (CERATONIA)**

**CERATONIA SILIQUA** "St. John's Bread"—Ornamental evergreen tree, fine for street planting or single specimen. Symmetrical in shape and has glossy dense evergreen foliage. Long lived and deep rooted. 5-gallon containers 5-6 ft. \$2.50; gallon containers 3-4 ft. \$1.00.

**CASUARINA (BEEFWOOD OR SHE OAK)**

A good street tree. Is very hardy and stands alkali, heat and cold. Has bunchy, reed-like foliage resembling the pine. Evergreen. 5-gallon containers \$2.50; gallon containers \$1.00.

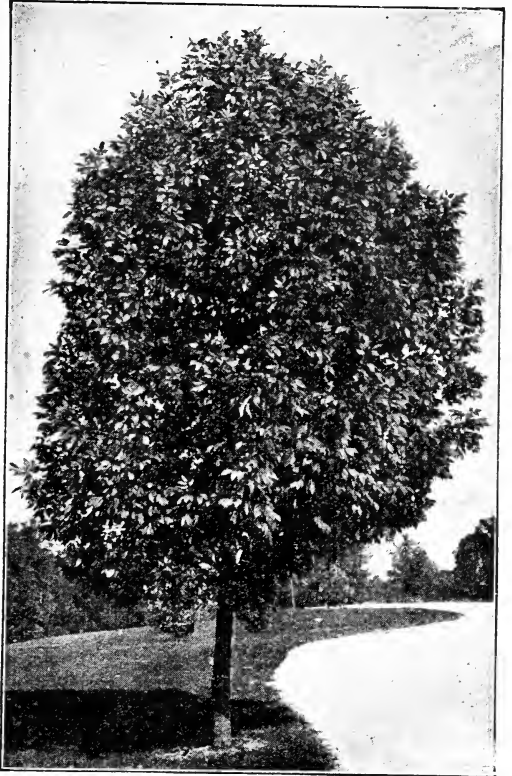
**COTTONWOOD**

**THORNBER**—Grows to a height of 50 ft. One of our finest, fastest growing shade trees. Is absolutely cottonless. Has large leaves and green-white bark. Drops its leaves very late in the winter and buds out very early in the spring, making it almost an evergreen. 5-6 ft. \$1.00; 6-8 ft. \$1.50; 8-10 ft. \$2.00.

**CYPRESS**

**CYPRESS ARIZONICA** "Arizona Cypress"—Will stand more heat and drought than any other evergreen tree. Coniferous. Grows to a height of 40 ft. Foliage beautiful bluish green. Form pyramidal. Gallon containers 2-3 ft. \$1.00; 3-4 ft. \$1.50; 5-gallon containers 4-5 ft. \$2.50.

**CYPRESS SEMPERVIRENS** "Italian Cypress"—Grows very tall and slender having pillar or colum-



Arizona Ash

nar effect, branches erect. Boxed 8-10 ft. \$8.00; 5-gallon containers 7-8 ft. \$6.00; 5-6 ft. \$4.00; gallon containers 3-4 ft. \$2.00; 2-3 ft. \$1.50; 18 in. to 2 ft. \$1.00.

**ELDER**

**NATIVE MEXICAN**—This tree is nearly entirely evergreen, losing its leaves late in the winter and turning green again about Christmas, when its brilliant green foliage is most attractive. In the spring it is covered with white flowers. Grows to a height of 20 ft. It is valuable also as a shrub. 4-5 ft. \$2.00 each.

**ELM (ULMUS)**

**ULMUS AMERICANUS** (American White Elm)—Produces dense shade and has bright green foliage. Does well in this country but has a very slow growth. 10-12 ft. \$2.00; 8-10 ft. \$1.50; 6-8 ft. \$1.00.

**EUCALYPTUS**

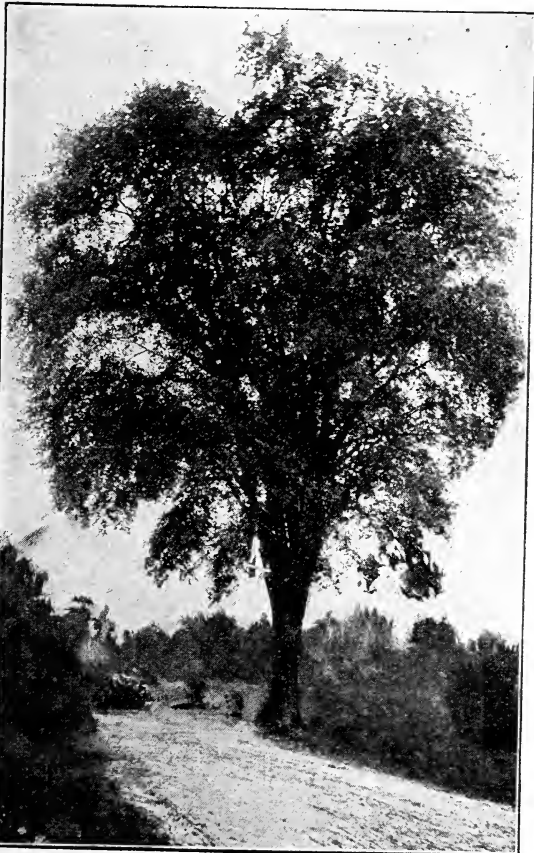
**E. FICIFOLIA** "Scarlet Flowering"—Rather dwarf evergreen tree which bears great clusters of brilliant crimson flowers on a background of large dark glossy leaves. 5-Gallon containers \$3.00; gallon containers \$1.00.

**E. GLOBULUS** "Blue Gum"—Exceedingly rapid grower much used for wind breaks. Foliage has bluish cast. Very tall. 5-gallon containers 6-8 ft. \$2.50 each; gallon containers 4-6 ft. \$1.50; gallon containers 2-3 ft. 75c.

**E. ROSTRATA** "Red Gum"—Rapid grower that endures a great deal of heat, severe cold and drought. Foliage long and slender. This variety is the hardest for this section. 5-gallon containers 6-8 ft. \$2.50 each; gallon containers 4-6 ft. \$1.50; gallon containers 2-3 ft. 75c.

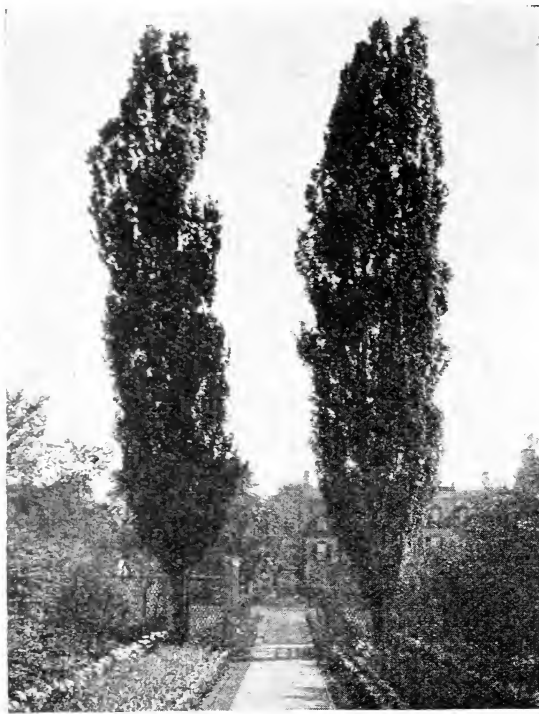
**JACARANDA**

**J. MIMOSAEFOLIA**—One of the handsomest flowering trees. Forms a round symmetrical head of light green fern-like foliage in spring, and is covered with a mass of light blue tubular flowers borne in clusters. Will not stand a temperature lower than 20 degrees. 3-4 ft. \$1.50.



American White Elm





Lombardy Poplar

## PINE

**PINUS CANARIENSIS**—One of the most beautiful of all pines. Has extremely long needles in large tufts. The new growth is silvery white. Very fast grower. 5-gallon containers \$2.50 each; gallon containers \$1.00 each.

## JUNIPER

**CHINENSIS PFITZERIAN**—Coniferous evergreen growing to a height of 8 ft. Has bushy wide spread horizontal branches. Foliage bluish green in color, most graceful in outline. 2-3 ft. \$2.50 each.

**CHINENSIS PROCUMBENS** "Trailing Chinese Juniper"—Flat creeping variety with dense blue-green foliage. Very hardy. 3-gallon containers \$3.00 each.

## LOQUAT

A low-growing Japanese fruit tree with large rough glaucous leaves. Bears a delicious fruit very early in the spring. Tree is evergreen and most ornamental. 5-gallon containers 3-4 ft. \$3.00.

## MAGNOLIA

**M. GRANDIFLORA**—Well-known Magnolia of the south, having beautiful dark green shiny heavy foliage, producing large pearly-white flowers intensely fragrant. Of rather slow growth but well worth while. 5-gallon containers 4-5 ft. \$3.00; gallon containers 2-3 ft. \$1.00.

## MULBERRY (MORUS)

**RUSSIAN**—Very hardy drought resisting variety, shedding its leaves in winter. Has large leaves, a spreading head, and is a quick grower. Produces a large purple berry. 6-8 ft. \$1.50 each.

**KINGANS**—Leaves very large, foliage dense. Forms a compact head. Very ornamental and valuable as a shade tree. In the spring it has a few blossoms but positively does not fruit. 4-6 ft. \$1.50 each; 6-8 ft. \$2.00 each.

## PEPPER

**SCHINUS MOLLE**—One of the finest evergreen trees we have, growing to a height of 50 ft. with a wide spread. The drooping, feathery foliage makes it one of our most ornamental shade trees. 5-gallon containers 6- ft. \$2.50; 5-6 ft. \$1.50; 3-4 ft. \$1.00; 4 inch pots, 2-3 ft. 50c.

## PODOCARPUS

**P. ELONGATUS** "Fern Pine"—Grows to a height of about 15 ft. makes a bushy tree with soft finely divided light green foliage. Does well in sun or shade and is not particular as to climate or soil. Makes an excellent tree for inside. Evergreen. 3-4 ft. \$2.50.

## POPLAR

**BALM OF GILEAD**—A spreading fast-growing tree with dense foliage. Long lived and most popular. 8-10 ft. \$2.00; 6-8 ft. \$1.50; 5-6 ft. \$1.00.

**CAROLINA**—Upright growing tree with pyramidal head. Large glossy deep green leaves. Very long lived. 8-10 ft. \$2.00; 6-8 ft. \$1.50; 5-6 ft. \$1.00.

**LOMBARDY**—Grows very tall, slender and narrow. Valuable for lining driveways or for accentuating certain types of architecture. Long lived and a generally satisfactory tree. 8-10 ft. \$2.00; 6-8 ft. \$1.50; 5-6 ft. \$1.00.

## TAMARIX

**T. ARTICULATA** "Athel Tree"—Fast-growing tree, very drought resistant and hardy. Has slender pointed branches and grey-green foliage. Is evergreen. Best propagated by planting from cuttings where trees are to remain, leaving about 2 in. of cutting above ground. 2-3 ft. plants, gallon containers 75c each; cuttings 12 in. long unrooted \$3.00 per 100.

## UMBRELLA TREE (MELIA)

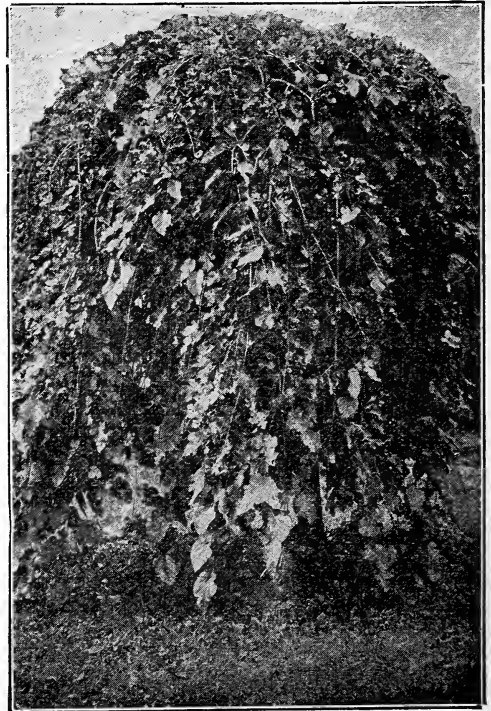
"Texas Umbrella Tree"—A splendid tree for dense shade in almost any location. Forms a large dense symmetrically rounded crown not unlike an open umbrella. Is deciduous. Bears large panicles of large lavender, sweet-scented flowers in the spring. 8-10 ft. \$2.00; 8-10 ft. (extra heavy) \$3.00, 6-8 ft. \$1.50; 5-6 ft. \$1.00.

## WEeping DECIDUOUS TREES

These trees are very fine for lawn decoration and are used largely for providing shade in poultry yards.

**WEeping MULBERRY**—Its long, slender branches curve gracefully to the ground, forming a dense, umbrella shaped head. They are easily grown and not particular as to environment. \$2.00 to \$3.00 each.

**WEeping WILLOW**—Large, spreading top and long pendulous branches. Fine, large trees. \$1.00 to \$3.00 each.



Weeping Mulberry



# DECIDUOUS FRUITS

IN ORDERING STATE WHETHER OR NOT WE MAY SUBSTITUTE IF NECESSARY

## APPLES

No fruit of late years has commanded wider attention than the Apple. In many of the mountain valleys of our state it finds congenial conditions and, when properly managed, invariably gives good returns. It has been found that the red varieties do best in the higher altitudes, while the green and yellow sorts thrive better in the lower altitudes. We offer a variety of sorts which are best adapted to conditions in the arid Southwest. 4 to 6 ft., 75c each; \$6.50 for 10.

**ARKANSAS BLACK**—Medium to large, somewhat conical; color is beautiful maroon over yellow ground; flesh firm, fine grained and juicy; keeps well.

**YELLOW BELLFLOWER**—Large; yellow; flesh crisp and juicy. An excellent and valuable variety. Tree a fine grower and good bearer. Adapts itself to all parts of the country. October.

**WHITE WINTER PEARMAN**—Medium, oblong; greenish yellow; tender, juicy, highly flavored. Good bearer. November.

**DELICIOUS**—A magnificent new and scarce variety, of fine appearance and delightful flavor, brilliant red; of large size, rather conical in form. Tree has good, strong habit of growth and excellent bearing qualities.

**WINESAP**—Medium dark red; sub-acid, excellent quality. Tree bears abundantly. Favorite market variety in the West. November.

**WINTER BANANA**—Fruit very large, perfect in form; golden yellow, beautifully shaded with red; flesh yellow and fine-grained; rich aromatic flavor. Of strongest growth and very hardy. Best winter Apple for general planting in the warm valleys of the Southwest. September.

## CRAB-APPLES

4 to 6 ft., 75c each; \$6.50 for 10.

**HYSLOP**—Popular variety on account of its size, beauty and hardness. Fruit deep crimson, covered with blue bloom.

**TRANSCENDENT**—The best of all the Crabs for general use. Trees vigorous and productive.

## APRICOTS

The Apricot is one of the most delicious and richly flavored fruits we possess. Ripens before either the peach or the plum.

4 to 6 ft., 75c each; \$6.50 for 10.

**BLLENHEIM**—Fruit large, oval, orange-colored; flesh rich and juicy. Ripens in June.

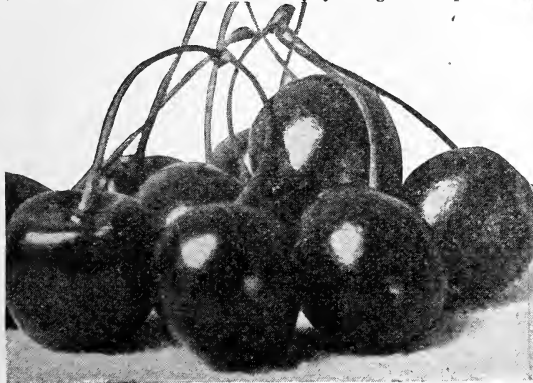
**MOORPARK**—Large; greenish yellow, brownish red on the sunny side, marked with numerous specks and dots. Fruit is of the finest flavor and quality of any Apricot grown, but is rather shy bearer. August.

**NEWCASTLE EARLY**—Medium size, round. The best early variety. Ripens in May.

**ROYAL**—Medium size, oval; skin brownish yellow; flesh yellow and sweet, with rich flavor. Exceedingly productive. June.

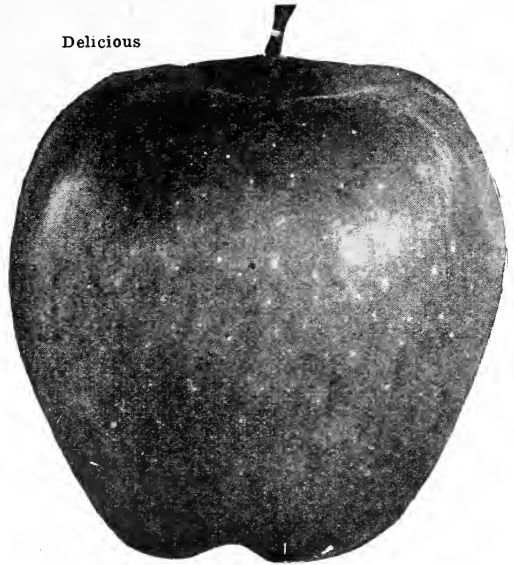
## CHERRIES

There are few finer fruits than Cherries, and when planted in suitable localities they yield good crops. In



English Morello

Delicious



the higher altitudes in the mountainous sections of this state they succeed admirably, but we cannot recommend them for the lower altitudes.

4 to 6 ft., \$1.25 each; \$10.00 for 10.

**BLACK TARTARIAN**—Very large; is purplish black; flavor is mild and pleasant. The tree is a vigorous, up right grower.

**ENGLISH MORELLO**—Large; dark red; tender and juicy. Trees are smaller and more bushy than the Tartarian or Royal Ann.

**EARLY RICHMOND**—An early, red, sub-acid cherry.

**ROYAL ANN**—A magnificent cherry of the largest size; is pale yellow with bright red cheek; the flesh is firm, juicy and sweet. Tree erect grower.

**BING**—Fruit large; dark brown or black; very fine. A good shipping variety.

## FIGS

4 to 6 ft., 75c each; \$6.50 for 10.

**BROWN TURKEY**—An excellent Fig for marketing; ripening early; of large size; color violet-brown.

**MISSION**—A well-known California black fig. Tree is a very strong grower and good fruiter. Leading black variety for shipping and drying.

**WHITE ADRIATIC**—Large; skin greenish yellow; flesh reddish. Tree a strong grower and prolific.

## ALMONDS

Both varieties 4 to 6 ft., 75c each.

**I. X. L.**—Nut large, generally single kernels, soft shell. Tree is a strong, upright grower. One of the most popular varieties.

**JORDAN**—The largest sweetest and finest-flavored of all the Almonds. Kernels are long, plump and have thin skin.

## NECTARINES

4 to 6 ft., 75c each.

**ADVANCE**—Valuable early variety, ripening in July. Skin green, blotched with red and brown on the sunny side; flesh greenish white and sugary, fruit large and round. Its earliness renders it valuable for either commercial or family use. July.

**STANWICK**—One of the leading varieties. Large size; flesh white, tender, juicy and of delicious flavor; skin greenish white, shaded with reddish purple. Prime table variety especially fine for family use. Tree is very thrifty and prolific. August.

Mayflower



## PEACHES

The Peach is not over-particular in its demand for soils and climatic conditions, doing well in any situation that will grow ordinary farm crops.

4 to 6 ft., 75c each; \$6.50 for 10.

**ALEXANDER**—Medium size; skin greenish white, with red blush. Flesh melting, juicy and sweet. June.

**CHAMPION**—Fruit large, beautiful in appearance; flavor delicious, sweet, rich and juicy; skin creamy white, with red cheek; freestone. July.

**EARLY CRAWFORD**—Well-known yellow Peach of fine quality. Tree vigorous and prolific. July.

**J. H. HALE**—Color rich golden yellow, covered with carmine; skin thick and smooth. A perfect freestone. The flavor is excellent; flesh dark yellow, fine-grained, and firm.

**LATE CRAWFORD**—Large, yellow, with a red cheek; flesh yellow, juicy and excellent. Freestone. An old popular variety. August.

**ELBERTA**—Large; yellow, with red cheek, juicy, sweet and highly flavored. Tree grows strong and healthy and very productive. One of the best paying varieties for the Southwest. August.

**MAYFLOWER**—This Peach is absolutely red all over, even before it gets ripe enough to ship. Carries to market in fine shape and sells well and is the only early Peach that is well colored. Inclined to overbear; should always be thinned. May.

**PHILLIPS CLING**—Fine; large; yellow; flesh firm; cling yellow to the pit, of finest texture. Best of all clings for canning purposes. September.

**SALWAY**—Large, round; skin creamy yellow; sweet and rich flavor. Freestone. Bears heavily and regularly. September.

**WHITE HEATH CLING**—Creamy white, blush on the sunny side; flesh white, tender, juicy and delicious. September.

## PEARS

4 to 6 ft., 75c each; \$6.50 for 10.

**BARTLETT**—One of the most popular varieties. Fruit large, buttery and melting, with rich flavor. Tree a vigorous grower; bears abundantly. Ripens early.

**FLEMISH BEAUTY**—A large, beautiful, melting, sweet Pear; a strong grower and fruitful. An old standard variety.

**KIEFFER**—Large; skin rich golden yellow, sprinkled thickly with small dots and often tinted with red on one side; flesh slightly coarse, juicy and melting with pronounced quince flavor. Suffers from blight less than any other variety.

**WINTER BARTLETT**—Large; skin yellow, with blush. Similar in form and quality to the Bartlett. Ripens three or four months later.

**WINTER NELLIS**—Medium size; dull russet; flesh melting and buttery, with rich flavor. Tree is slender irregular, but free grower. Bears heavily and regularly. One of the best early winter Pears.

## PERSIMMONS

Japanese Persimmons do fine in a sandy loam and are one of the coming fruits. The Fuya is a new variety that is non-astringent even when green. Prices, 4 to 6 ft. \$1.50 each.

**HACHIYA**—Long, conical, deep red, very large, almost seedless, delicious when soft.

**FUYA**—The new variety. Can be eaten while firm like an apple, no puckery or astringent taste at any time. Round Tomato shape, large size. Fine red.

## PLUMS

4 to 6 ft., 75c each; \$6.50 for 10.

**BURBANK**—Medium to large; round; yellow dots and lilac bloom; flesh deep yellow. Tree vigorous. July.

**CLIMAX**—Very large, heart-shaped; color deep, dark red; flesh yellow and of fine flavor. Tree vigorous and productive. Extremely early, ripening in early July.

**DAMSON**—Fruit small oval; skin purple; flesh melting and juicy, rather tart.

**SATSUMA**—Well-known blue Plum. Has a pleasant flavor and red flesh; medium to large; round and has a remarkably small stone.

**WICKSON**—Largest of all the Plums. Flesh fine; deep amber-yellow. A very handsome and well-flavored variety. Valuable for canning and shipping.

## POMEGRANATE

75c each; \$6.50 for 10.

**WONDERFUL**—New variety. Large; highly colored; pulp richly colored, of good flavor, very fine. Ripens late.

## PRUNES

4 to 6 ft., 75c each; \$6.50 for 10.

**FRENCH PRUNE**—Medium size, oval; skin purple; flesh rich and very sweet. The variety most extensively used for drying.

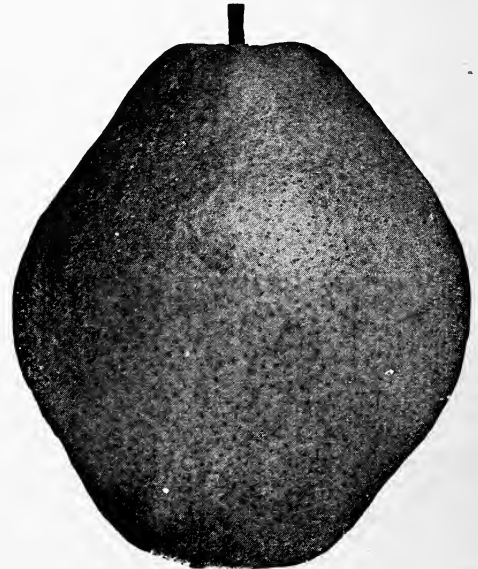
**SUGAR PRUNE**—Fruit very large; skin tender, dark purple, covered with white bloom; flesh yellow, tender and sugary.

## QUINCE

Does exceptionally well in our climate, and very desirable for sauces and preserves.

4 to 6 ft., 75c each; \$6.50 for 10.

**APPLE, or ORANGE**—Large roundish with short neck; greenish yellow. This is the variety most largely cultivated.



Kieffer

# BERRY PLANTS

## BLACKBERRIES

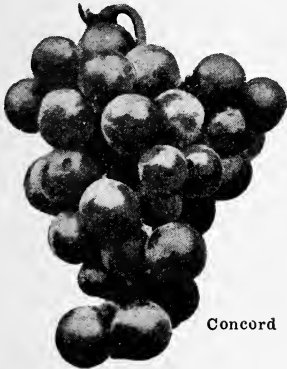
**CRANDALL'S EARLY**—One of the earliest to ripen and has long fruiting season. Strong, vigorous grower, hardy and productive. Berries firm and of good size and form, and rich black color. Flavor of the best. 25c each; \$2.00 for 10.

**HIMALAYA GIANT**—Must be trained on a trellis and pruned well during the winter months. Strong grower, canes sometimes reaching 40 feet. Prolific bearer. Berries have but few seeds, and are good shippers. 25c each, \$2.00 for 10.

**MAMMOTH**—A rampant grower, sometimes attaining a growth of 20 feet in one season. Foliage heavy and of deep green color. Fruit very large and long, surpassing all other Blackberries in size and flavor. Early and very productive. 25c each, \$2.00 for 10.

## GRAPES

25c each; \$2.50 for 10.



Concord

Bunches and berries very large; pale red with bloom; flesh firm and sweet. A good shipper.

**MALAGA**—One of the best table Grapes. Vine a strong grower and very productive. Bunches very large and compact. Berries large, oval and yellowish green, fleshy.

**MUSCAT OF ALEXANDRIA**—A white raisin Grape, planted very extensively in California. Bunches large and loose; berry oval. One of the richest flavored of all Grapes. For raisins, table and wine.

**CONCORD**—This is the most widely known and popular of the American varieties. Produces large clusters of berries of good size and a quality unsurpassed.

**MISSION**—Berries medium, round, black, sweet; bunches large and loose.

## RASPBERRIES

**CUTHBERT**—The best known of the red Raspberries. Large, conical; deep crimson; firm and of finest flavor. 25c each, \$2.00 for 10.

**CUMBERLAND**—The bush is exceedingly healthy and vigorous. Very productive. The best variety of black Raspberry. 25c each, \$2.00 for 10.

## CURRENT

**CHERRY**—This variety is vigorous and productive when grown on a good soil and well cultivated. The berries are unusually large, deep red. 40c each; \$3.50 for 10.

**FAY'S PROLIFIC**—Very productive, with long branches covered with large, rich red fruit. 40c each; \$3.50 for 10.

## DEWBERRY

The best of the trailing Blackberries. Points in its favor are early ripening and productivity. 25c each; \$2.00 for 10.

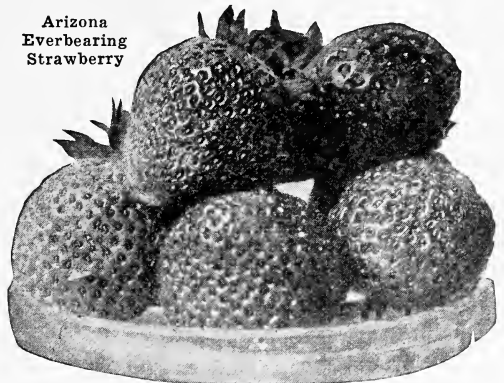
## GOOSEBERRY

**DOWNING**—Fruit large; whitish green; flesh soft, juicy and good. Plant vigorous and prolific. The old standard variety. 50c each; \$4.00 for 10.

## LOGANBERRY

Rich purplish red with a very pleasant vinous flavor. Should be grown on a low trellis. 25c each; \$2.00 for 10.

Arizona  
Everbearing  
Strawberry



## STRAWBERRIES

**ARIZONA EVERBEARING**—Berries very large and handsome. For warm, dry, interior valleys this variety is highly recommended on account of its hardiness, vigorous growth and abundant foliage. By far the best variety for Arizona and should be in every garden. Ripens early. 75c per doz., \$2.50 per 100.

**BRANDYWINE**—A good shipping variety. Glossy, red berries; firm and of excellent quality. Ripens mid-season to late. Fine for home or market garden. 50c per doz.; \$1.50 per 100.

**EXCELSIOR**—Per. The very earliest berry grown and one everyone should grow if they want early berries. A good plant-maker and stands the dry summers well. 50c per doz.; \$1.50 per 100.

## CITRUS FRUITS

Extra care at all times is necessary in order to grow a good Citrus tree; if the trees are neglected at one stage they may be stunted for life. We carry only established varieties of Citrus stock and only trees budded from certified stock. Citrus is apt to be frozen back in the majority of places in Arizona, and trees should be protected by corn stocks, paper or the like. Do not use burlap as that does not keep out the cold.

Balled Prices: 1-inch caliper, each, \$2.50; established in containers, \$3.00 each.

## ORANGES

**WASHINGTON NAVEL**—Easily heads the list of all oranges. The fruit is large with the characteristic navel at the blossom end. Seedless.

**VALENCIA**—As the Navel Orange season closes the Valencia season begins and lasts through the spring and early summer. The fruit is medium size, juicy and sweet, with few seeds.

## POMELO-GRAPEFRUIT

**MARSH SEEDLESS**—All commercial plantings of grapefruit in California and Arizona are of this variety and is superior to all others tried. The tree is a vigorous and compact grower and bears very heavily.

## LEMONS

**EUREKA**—The leading commercial lemon; fruit rich in juice; tree almost thornless. The leader in home and commercial plantings.

## TANGERINES

Known as the Kid Glove Oranges because the rind is thin and peels off readily. The trees are harder than oranges or lemons and can be planted where it is too cold for the latter.



Mammoth Blackberry

# INSECTICIDES, PLANT FOODS INSECT DESTROYERS

## PRICES NOT PREPAID

**ANT EXTERMINATOR, TALBOTS.** A non-poisonous powder, by far the best thing of its kind that has ever been placed on the market for the extermination of ants. It dissolves the outer coating of the ant's body, thus destroying the respiratory cells. 4-oz. can, 25c; 8-oz., can, 50c; lb., can, \$1.

**ANT BANE**—\$1000.00 guaranteed, non-poisonous powder. Guaranteed to rid premises of ants if used methodically. 3 oz., 35c; 7 oz., 65c; 16 oz., \$1.25.

**ANTROL**—Argentine ant syrup. To be placed in containers on the outside of buildings or near ant heaps. Garden set consists of 4 small containers and a ½ pt. bottle of syrup at \$1.00 a set. Additional syrup comes at ½ pt. 50c; pt., \$1.20. Additional containers 15c each.

**ARSENATE OF LEAD, (Dry)**—A new arsenic spray for caterpillars, codlin-moth, June bugs, etc. Does not burn the foliage. Recommended by the Department of Agriculture. ½ lb. can 50c; lb. can 75c; 4 lb. bag \$2.00.

**BLACK-LEAF 40, (Liquid)**—The best spray for aphid on melon and cucumber vines. It is tobacco extract; 40 per cent of it is pure nicotine. Oz., 35c; ½ lb., \$1.25; 2 lbs., \$3.75; 10 lbs., \$13.50.

**NICO DUST**—Recommended for dusting against aphid, thrips, and cucumber beetles. May be applied with blower or duster. Lb. can 65c.

**BORDEAUX MIXTURE**—Best and most generally used spray for blight, mildew, curled leaf, pear scab, etc. All prepared and ready for use. Dry form. Lb., 75c.

**CYANOGEN, (A Dust)**—Calcium cyanide preparation for ground squirrels, rats, moths, large red ants. Lb., \$1.00; 5 lbs., \$3.75, can not be mailed.

**FOILAGE**—A non-poisonous insecticide which kills Aphid and many other insects harmful to plant life. 2 oz., 35c; 8 oz., \$1.00, prepaid.

**END-O-PEST**—Kills snails, cut worms slugs, grasshoppers, and sow-bugs. It is a ready prepared meal that you broadcast over the ground under the vegetation. The pests eat the meal and are quickly destroyed. Lb. pkt. 50c; 3 lb. pkt. \$1.00; 15 lb. sack \$4.00.

**FLYROL**—A non-staining, non-poisonous, spray preparation for fly and insect control. Pt. 65c; qt. \$1.20.

**GAVIOTA GARDEN AND LAWN FERTILIZER**—A scientifically prepared plant food which is highly recommended. Easy to use. 3 lbs. 35c; 10 lbs. \$1.00; 100 lbs., \$6.00, express collect.

**GOPHER GAS BALLS**—Are used by lighting and rolling into the burrows of the gopher, the same as the Gopher Candle. Doz. 60c; Box of 125, \$3.75.

**LIME AND SULPHUR, (Dry)**—Recommended for rot, scale, fungi rust, and scab. Lb. 50c.

**LONDON PURPLE**—For dusting for control of potato bugs, cotton and tobacco worms. A preparation of arsenic and calcium arsenate. 4 oz. pkg., 25c; 1 lb. pkg., 60c.

**MOORE'S GOPHER POISON**—For exterminating mice, rats, gophers, and birds. 1 lb. can 60c.

**PARIS GREEN**—In cans. Pure, poisonous. Kill caterpillars, potato bugs and all bugs that chew leaves. ¼ lb., 40c; ½ lb., 60c; lb., \$1.10.

**PESTROY**—A combination of arsenate of lead and bordeaux mixture in dry form for spraying leaf eating insects and fungus growths on apples, grapes, gooseberries, cucumbers, potatoes, peppers and tomatoes. ½ lb. cans, 40c.

**PRUNING COMPOUND**—For covering fresh cuts or bruises and healing wounds without retarding growth of the tree. Qt. can \$1.25.

**\$1000.00 GUARANTEED ROACH KILLER**—It is so prepared that roaches like it which insures their eating it. It will rid any building of roaches and water bugs. 3 oz., can., 35c; 7-oz., can., 65c, postpaid.

## STIM-U-PLANT

Use Stim-U-Plant tablets and you will have the largest crops of fruit and vegetables and an abundance of sweet-scented, vividly colored flowers. Stim-U-Plant tablets are exceedingly rich in plant food, containing eleven per cent phosphoric acid and fifteen per cent potash. They are odorless and clean and are used by inserting the tablets in the soil or by dissolving in water and applying the solution. The results that this scientific product will produce are marvelous. The price of Stim-U-Plant: 30 tablets, 35c; 100 tablets \$1.00, 1,000 tablets \$4.00, postpaid.

**STEARNS ELECTRIC RAT AND ROACH PASTE**—Sure death to rats, mice and cockroaches. 35c, postpaid.

**VOLCK**—An effective spray for the control of Red Spider, Mealy Bug, Scale and Thrip. ½ pt. 50c; Pint 90c; Quart \$1.25; prepaid.

**TREE TANGLEFOOT**—A sticky substance applied directly to tree trunks to protect them against ants and other climbing insects. Remains sticky three or four months after application in all kinds of weather. 1 lb. cans, 85c each; 5 lb. cans, \$3.75 each. Postage extra.

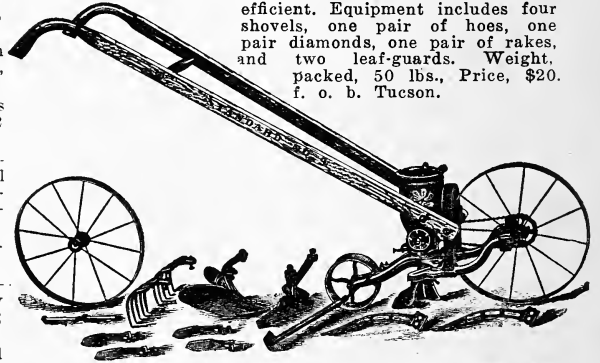
**WATER GLASS**—For preserving eggs. One quart makes sufficient solution for twelve dozen eggs. Qt. 75c. Postage extra.

**GRO-MORE FERTILIZER**—An odorless chemical fertilizer with about four times the strength of the ordinary commercial fertilizer. 2 lb. carton, 60c; 25 lb. bag, \$3.50.

**WHALE OIL SOAP**—Liquid form. 6 oz. can 35c; pt. 60c.

## HAND CULTIVATORS AND SEEDERS

**STANDARD NO. 9, HILL AND DRILL SEEDER, CULTIVATOR, HOE, PLOW AND RAKE**—We cannot recommend this tool too highly. It is easily changed from a double to a single-wheel cultivator, and with the hill and drill seeder attachments combines three practical tools in one. The Seed brush is of genuine bristle, and will give a positive, regular flow of seed. The tool will deliver seed in drills, and by shifting one part only will drop in hills, 4, 6, 8, 12 and 24 inches apart. Gardeners and farmers will find this combination most useful and efficient. Equipment includes four shovels, one pair of hoes, one pair diamonds, one pair of rakes, and two leaf-guards. Weight, packed, 50 lbs., Price, \$20. f. o. b. Tucson.



**STANDARD NO 11, HILL AND DRILL SEEDER.** Same as Standard No. 9, except equipment does not include hoes, rakes, etc. Weight packed, 40 lbs. Price, \$15.00, f. o. b. Tucson.

**STANDARD NO. 4, SINGLE AND DOUBLE-WHEEL CULTIVATOR**—Equipment, 4 shovels, 1 pair hoes, 1 plow, 1 pair diamonds, 1 pair rakes, 2 leaf-guards and wrench. A fine tool for a large garden, and will prove one of the best investments a gardener can make. Weight, packed, 30 lbs. Price, \$15.00, f. o. b. Tucson.

**STANDARD NO. 20 SINGLE-WHEEL CULTIVATOR**—Wheel 24 inches High wheel lightens labor of operating to a great extent. Trial of this tool will convince the most skeptical they never knew before how to take care of a garden. One of the most practical of all garden tools. Packed, 22 lbs. Price, \$5, f. o. b. Tucson.

**MIDGET SEEDER**—Just the thing for the small gardener. Will plant any kind of garden seed in hills or drills and will plant a 5-cent package and clean out every seed of it. Capacity of hopper is about 1 pint. It can be attached to Standard No. 20, or any other make of hand Cultivator. Price \$5.

## SEED SOWERS

**CYCLONE**—Sows evenly all kinds of grass seed and grain. Can easily sow from 40 to 50 acres a day. \$3.50 each. Not prepaid.

**CALHOUN**—The standard sower. Sows from four to eight acres per hour at a common walking gait. Can be used for sowing alfalfa and all grains broadcast. \$6.00 each. Not prepaid.

**NO. 3 PLANET JR. HILL AND DRILL SEEDER**—Holds 3 quarts of seed. A favorite among onion growers, market gardeners and seedsmen. Sows accurately in a narrow line, making wheel-hoe cultivation easy. Price, \$17.50, f. o. b. Tucson.

**SPRAY PUMPS**

*It Sprays Continuously*



**MODOC BUCKET SPRAY PUMP**—A Pump that will spray whitewash or any other mixture. Made of solid brass, no leather valves to wear out. Throws a continuous stream. \$6.50 each. Weight 8 pounds. Not prepaid.

**COMPRESSED-AIR HAND SPRAYER**—Throws a continuous spray and can be taken apart and cleaned. Capacity, 1 quart tin \$1.00; Galvanized, \$1.50; brass, \$2.00. Not Prepaid.

**AUTO SPRAY NO. 26**—Produces a continuous, changeable spray. May be used for paint, shellac or ordinary spraying. Brass, \$2.25 each, prepaid.

**DUSTER BROWN**—A hand powder duster. Best hand Duster made. ½ pt. 75c; Pt. size, \$1.50; qt. size, \$2.50, prepaid.

**BROWN'S AUTO-SPRAY NO. 3D**—Designed for dairies and small fruit growers. Equipped to keep solution in perfect agitation. Galv. tank, 12 gals., capacity, mounted on wheel-barrow frame, 3-8 inch hose. Price complete \$30.00 each, f. o. b. Tucson.

**BROWN'S AUTO SPRAY NO. 3F**—A sprayer adaptable to cold water painting, white-washing, disinfecting, tree and garden truck spraying. Same as No. 3D with air pressure tank and gauge added. 8 ft. high pressure 3-8 inch hose. Price complete \$45.00 each, f. o. b. Tucson.



**BROWN'S AUTO SPRAY NO. 9B**—For spraying trees, shrubs, vines and chicken houses. Equipped with 2 ft. ½ in. 5-ply hose, solid stream and fine-spray nozzle. Capacity 3½ gal., brass tank, price complete \$10.50, f. o. b. Tucson.

**BROWN'S AUTO SPRAY NO. 9D**—Same as above except galv. tank. Price complete \$8.50, f. o. b. Tucson.

**BROWN'S AUTO-SPRAY NO. 30D**—Suitable for spraying trees, garden and field crops. Equipped with wheel-barrow frame, 6 ft. 3-8 in. hose, 2 ft. iron exten-

sion rod, 12 gal. galv. tank. Price complete \$20.00 each f. o. b. Tucson.

**BROWN'S HAND SPRAY**—Capacity ½ pt. For spraying insect poisons, fly sprays, etc. All tin, 50c, prepaid.

**BROWN'S HAND SPRAY**—Hand atomizer for disinfectants and insect sprays. Capacity 1 qt., all tin, 75c, prepaid.

**FLOWER POTS AND SAUCERS**

**FLOWER POTS**—4 in. 10c each; \$1.00 doz.; 5 in. 15c each; \$1.50 doz.; 6-in. 25c each; \$2.50 doz.; 8-in. 50c each; 10-in. \$1.00 each.

**BULB POTS**—5 in. 15c each; \$1.50 doz.; 6 in. 25c; \$2.50 doz.; 7-in. 40c; \$3.50 doz.

**SAUCERS**—4-in. 5c each; 50c doz.; 5-in. 10c each; \$1.00 doz.; 6-in. 15c each; \$1.50 doz.; 7-in. 20c each; \$1.75 doz.; 8-in. 30c each.

**HANGING BASKETS**—Earthenware Hanging Baskets are especially desirable for Sprengeri Ferns. They are very ornamental and a hanging wire with hook is furnished with each basket. 8-inch, 75c; 10-inch, \$1.50; 12-inch, \$2.25. By express or freight.

**BIRD FOODS, REMEDIES AND SUPPLIES**

**BIRD MANNA**—Keeps cage birds in constant song. Improves their plumage and prevents disease. Cake, 15 cents.

**MOCKINGBIRD FOOD**—The purest food obtainable for mockingbirds, nightingales, and other soft-billed birds. Jar, 60 cents.

**MIXED BIRD SEED**—Pkg., 20c, 10 lbs. \$1.50, postage extra.

**CANARY BIRD SEED**—Lb., 25c; 10 lbs. \$2.00; postage extra.

**RAPE**—Lb. 25c, postage extra.

**HEMP**—Lb. 25c; 10 lbs., \$1.50, postage extra.

**SUNFLOWER SEED**—Lb. 25c, 10 lbs. \$2.00, postage extra.

**CUTTLE-FISH BONE**—Oz. 15c.

**BIRD BATHS**—20 cents each.

**SEED CUPS**—20 cents each.

**BIRD CAGES**—We carry a large assortment of bird cages in all shapes and designs. We have them with or without seed-guards. Our assortment includes the very latest in white and old ivory enamel and brass cages. Also the very latest in colored cages, and every one of them would be an ornament in the most beautiful home. Prices range from \$3.50 to \$20.00.



**BIRD CAGE STANDS**—Made of solid brass or in attractive colors. Very beautiful. \$6.00 to \$20.00 each.

**PARROT CAGES**—Made of extra heavy wire, \$7.50 to \$12.00 each.

**WIRE BIRD NESTS**—20c each, prepaid.

**BIRD NESTING HAIR**—Pkt. 15c, prepaid.

**BIRD CAGE BRACKETS**—25c and 35c each, prepaid.

**BIRD CAGE SPRINGS and CHAINS**—25c to 50c each, prepaid.

**HALLERS BIRD PIE**—Bird tonic in cake form, excellent for loss of song, asthma, and all diseases of birds. Price 15c each.

**SPRATT'S CAGE BIRD FOODS, MEDICINES, ETC.**

**COD LIVER OIL CAGE BIRD AND NESTING FOOD**—Tonic and body builder for young birds and for old birds during moulting season. 4 oz. pkt. 25c.

**CANARY SEED MIXTURE WITH EGG AND FRUIT**—Healthful combination of seeds. 15 oz. pkt. 35c.

**MOULTING FOOD**—9 oz., pkt. 35c.

**PLUMAGE COLOR FOOD**—To intensify color of plumage. 2 oz. pkt. 50c.

**SONG RESTORER**—A tonic for loss of song. 4 oz. pkg. 35c.

**SING SONG**—An appetizing food in cake form for cage birds, 15c each.

**BIRD GRAVEL OR SAND**—2 lb., 25c.

**BIRD TONIC**—Prevention and cure for all diseases. 50c.

**BIRD LICE POWDER**—In powder gun. 1 oz., 35c. cage birds. 15c each.



# GENERAL INFORMATION

For the use of our customers to help them in the planting and laying out their gardens and nurseries.

## SOWING-TABLE FOR THE GARDEN

Seeds required to produce a given number of plants,		or to sow a given quantity of ground.	
Artichoke	1 oz. to 500 plants	Melon, Water	1 oz. to 30 hills
Asparagus	1 oz. to 60 ft. of drill; 500 plants	Melon, Musk	1 oz. to 100 hills
Beans, Dwarf	1 lb. to 50 ft. of drill	Okra	1 oz. to 50 ft. of drill
Beans, Tall	1 lb. to 75 hills	Onion, Seed	1 oz. to 100 ft. of drill
Beet	1 oz. to 50 ft. of drill	Onion, Top Sets	1 lb. to 60 ft. of row
Broccoli	1 oz. to 2,000 plants	Onion, Bottom Sets	1 lb. to 75 ft. of row
Brussels Sprouts	1 oz. to 2,000 plants	Parsnips	1 oz. to 100 ft. of drill
Cabbage	1 oz. to 2,000 plants	Parsley	1 oz. to 100 ft. of drill
Carrots	1 oz. to 150 ft. of drill	Peas	1 lb. to 50 ft. of drill
Cauliflower	1 oz. to 2,000 plants	Pepper	1 oz. to 1,000 plants
Celery	1 oz. to 3,000 plants	Pumpkin	1 oz. to 25 hills
Chicory	1 oz. to 100 ft. of drill	Radish	1 oz. to 50 ft. of drill
Corn	1 lb. to 150 hills	Salsify	1 oz. to 50 ft. of drill
Cress	1 oz. to 100 ft. of drill	Sage	1 oz. to 100 ft. of drill
Cucumber	1 oz. to 100 hills	Spinach	1 oz. to 50 ft. of drill
Eggplant	1 oz. to 1,000 plants	Squash, Early	1 oz. to 50 hills
Endive	1 oz. to 3,000 plants	Squash, Winter	1 oz. to 15 hills
Kale	1 oz. to 2,000 plants	Tomato	1 oz. to 2,000 plants
Kohlrabi	1 oz. to 2,000 plants	Tobacco	1 oz. to 10,000 plants
Leek	1 oz. to 100 ft. of drill	Turnip, Early	1 oz. to 75 ft. of drill
Lettuce	1 oz. to 3,000 plants	Turnip, Rutabaga	1 oz. to 100 ft. of drill

## SEED REQUIRED TO SOW AN ACRE OF GROUND

Lbs. to the acre.		Lbs. to the acre.	
Alfalfa	25	Grass, Perennial or Australian Rye, for lawn	75
Barley, Broadcast	100	Grass, Italian Rye	30
Beans, Dwarf or Bush, in hills	40	Grass, Red-Top	30
Beans, Dwarf or Bush, in drills	80	Grass, Timothy	20
Beans, Tall or Pole, in hills	25	Grass, Hungarian	25
Beet, Garden	6	Millet	25
Beet, Sugar	6	Hemp, broadcast	40-50
Beet, Mangel-Wurzel	6	Melon, Water, in hills	2-3
Broom Corn, in drills	12	Melon, Musk, in hills	2
Buckwheat, broadcast	45	Oats, broadcast	80
Cabbage in beds to cover an acre after trans-planting	¼-½	Onions, for Dry Bulbs, in drills	4
Carrots, in drills	3	Onions, for Bottom Sets	30
Clover, Red, alone, broadcast	15	Parsnips, in drills	5
Clover, White, alone, broadcast	10	Peas, in drills	50-80
Clover, Alsike, broadcast	10	Peas, broadcast	150
Clover, White and Alsike mixed, broadcast	10	Potatoes, in hills	500-600
Corn, Sweet or Field, in hills	15	Pumpkin, in hills	3
Corn, to cut green for fodder, in drills or broadcast	125	Radish, in hills	12
Cucumber, in hills	½	Rye, broadcast	100
Flax, when wanted for seed	30	Spinach, in drills	12
Flax, when wanted for fibre	30	Squash, Bush Varieties, in hills	4
Grass, Bermuda	10	Squash, Running Varieties, in hills	3
Grass, Crested Dog's-tail	25	Tomato, beds to transplant	1-8
Grass, Kentucky Blue, for pasture	50	Turnip and Rutabaga, in drills	2
Grass, Kentucky Blue, for lawns	150	Turnip and Rutabaga, broadcast	3-4
Grass, Orchard	40	Vetches, broadcast	100
Grass, Perennial or Australian Rye, for meadow	40	Wheat, broadcast	100
		Wheat, in drills	75

## NUMBER OF TREES OR PLANTS TO AN ACRE

Set at a regular distance apart		Set at a regular distance apart		Set at a regular distance apart	
Distance apart	No. of plants	Distance apart	No. of plants	Distance apart	No. of plants
3 inches by 4 inches	522,720	4½ feet by 4½ feet	2,150	14 feet by 14 feet	222
4 inches by 4 inches	392,040	5 feet by 1 foot	8,712	15 feet by 15 feet	193
6 inches by 6 inches	174,240	5 feet by 2 feet	4,356	16 feet by 16 feet	170
1 foot by 1 foot	43,560	5 feet by 3 feet	2,904	16½ feet by 16½ feet	160
1½ feet by 1½ feet	19,360	5 feet by 4 feet	2,178	17 feet by 17 feet	150
2 feet by 1 foot	21,780	5 feet by 5 feet	1,742	18 feet by 18 feet	134
2 feet by 2 feet	10,890	5½ feet by 5½ feet	1,440	19 feet by 19 feet	120
2½ feet by 2½ feet	7,260	6 feet by 6 feet	1,200	20 feet by 20 feet	108
3 feet by 1 foot	14,520	6½ feet by 6½ feet	1,031	25 feet by 25 feet	59
3 feet by 2 feet	7,260	7 feet by 7 feet	888	30 feet by 30 feet	48
3 feet by 3 feet	4,840	8 feet by 8 feet	680	33 feet by 33 feet	40
3½ feet by 3½ feet	3,555	9 feet by 9 feet	537	40 feet by 40 feet	27
4 feet by 1 foot	10,890	10 feet by 10 feet	435	50 feet by 50 feet	17
4 feet by 2 feet	5,445	11 feet by 11 feet	360	60 feet by 60 feet	12
4 feet by 3 feet	3,630	12 feet by 12 feet	302	66 feet by 66 feet	10
4 feet by 4 feet	2,722	13 feet by 13 feet	257		

## SHIPPING WEIGHTS OF TREES AND PLANTS

The average weight of deciduous fruit trees, packed in bales for shipping, is about as follows: 6 to 8 feet. 2 lbs. each; 4 to 6 feet, 1½ lbs. each; 3 to 4 feet, 1 lb. each. Grape vines, 1-3 lb. each.  
 Deciduous ornamental trees, cut back to 6 to 8 feet, 6 to 10 pounds each.  
 Potted plants, in from 3 to 6-inch pots, packed in boxes, weight from 4 to 12 pounds each.  
 Palms and other ornamental evergreens, with ball of earth, 2 to 3 foot plants, 40 lbs. each, and gradually increasing to 110 lbs. each on 5 and 6 foot plants.  
 Two year old rose plants, packed in moss and burlaped, ¼ to ½ lb. each.





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POPPIES



CANDYTUFT



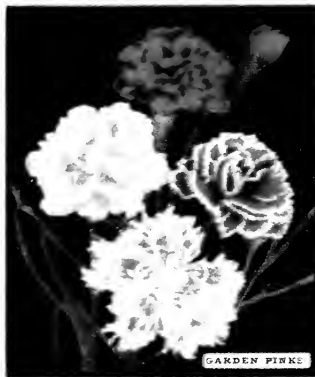
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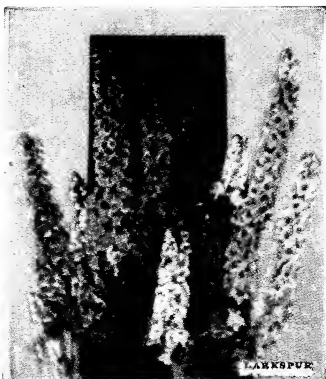
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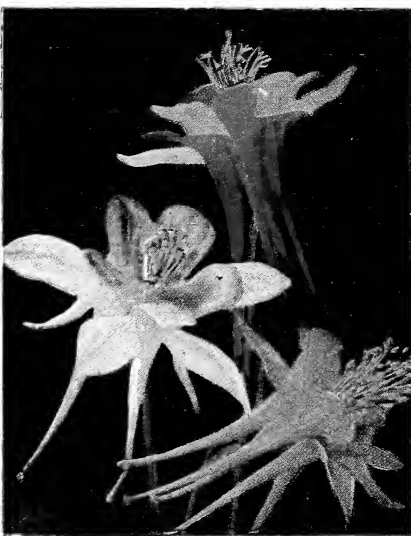
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